INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: November 23, 2010

RE: BF Goodrich Tire Manufacturing / 003-29089-00008

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

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Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNTV-PMOD.doc 3/27/08

IDEM

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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November 23, 2010

Mr. Matt Stuart
BF Goodrich Tire Manufacturing
P.O. Box 277
Woodburn, Indiana 46797-0277

Re: 003-29089-00008
Significant Permit Modification to
Part 70 Operating Permit No.: 003-20341-00008

Mr. Stuart:

BF Goodrich Tire Manufacturing was issued Part 70 Operating Permit Renewal No. 003-20341-00008 on September 3, 2008, for a stationary rubber tire manufacturing facility. A letter requesting changes to this permit was received on March 18, 2010. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

This modification limits the emissions of volatile organic compounds (VOC), sulfur dioxide (SO_2), and nitrogen oxides (NO_X) to less than 250 tons per year, each. Compliance with these limits renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to the source.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire Part 70 Operating Permit Renewal as modified.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Stephanie Wilkerson, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Stephanie Wilkerson or extension 4-5329, or dial (317) 234-5329.

Sincerely,

Chrystal Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments

sjw

cc: File - Allen County
U.S. EPA, Region V
Allen County Health Department
Compliance and Enforcement Branch

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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PART 70 OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY

BF Goodrich Tire Manufacturing
18906 Highway 24 East
Woodburn, Indiana 46797

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T003-20341-00008	
Issued by/Original Signed by: Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 3, 2008 Expiration Date: September 3, 2013

Significant Permit Modification No.: 003-26647-00008, issued September 24, 2008

Significant Permit Modification No.: 003-29089-00008	
Issued by: Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date November 23, 2010 Expiration Date: September 3, 2013

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ATTACHMENT B: 40 CFR 60, Subpart BBB - New Source Performance Standards for the Rubber Tire Manufacturing Industry

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary rubber tire manufacturing facility.

Source Address:	18906 Highway 24 East, Woodburn, Indiana 46797
General Source Phone Number:	(260) 493-8100
SIC Code:	3011
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Major Source, Section 112 of the Clean Air Act; and Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) carbon black unloading area, identified as EU-01, installed in 1961 and modified in 1996, with a maximum capacity of 18,916 pounds per hour, using four baghouses as control, exhausting at stacks 356 A - D. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(b) One (1) Banbury mixing area, identified as EU-02, consisting of three (3) mixers operating in series, constructed in 1961 and modified in 1968 and 2007, with a maximum capacity of 46,974 pounds of rubber, carbon black, and chemicals per hour, using three (3) baghouses for control and exhausting at stacks 197, 200, 201 to 203, 208, 210, 211, 216, 286, and 414.

(c) Four (4) natural gas or No. 2/No. 6 fuel oil or fuel oil blend fired boilers, identified as #1, #2, #3, (constructed in 1961), and #5 (constructed in 1974), with maximum capacities of 52, 52, 52, and 130 million British thermal units per hour (MMBtu/hr), respectively, using no control. Boilers #1 and #2 exhaust at stack 109, boiler #3 exhausts at stack 114, and boiler #5 exhausts at stack 257.

(d) One (1) component preparation area, identified as EU-03, which includes milling, extruding, and calendaring, constructed prior to 1974 with one mill constructed in 2007, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendaring and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330, and 415. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(e) One (1) tire building area, constructed in 1961, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stack 279. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and sixteen (16) presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(g) One (1) white side wall (WSW) grinding and tire uniformity optimizer (TUO) Module Area, constructed in 1961 and modified in 2003, with a maximum capacity of 35,467 pounds per hour for WSW grinding and 7,093 pounds per hour for TUO operations, using centrifugal separators as control, exhausting at stacks 258-261, and 265-277. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(h) One (1) tread end cementing process consisting of lines #1 and #2, identified as EU-04, with a maximum production capacity of 2,081 tires per hour or 33,646 pounds per hour, constructed in 1961 and modified in 1990 and 1996, using particulate baffle filters, exhausting to one of the four process boilers to control VOC. This unit is an affected facility under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(i) Miscellaneous solvent usage.

A.3 Specifically Regulated Insignificant Activities
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(d) Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 2-6; [326 IAC 8-3-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T003-20341-00008, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by the permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34).

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
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Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T003-20341-00008 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Reserved

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.
[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

(a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 and/or 326 IAC 2-3 (for sources located in NA areas).

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as

such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.8 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial start-up, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.

(b) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(c) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup CEMS shall be brought online within four (4) hours of shutdown of the primary CEMS, and shall be operated until such time as the primary CEMS is back in operation.

(d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to significant source modification number 003-20073-00008.

C.12 Reserved

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on January 18, 2001.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(b)(2), starting in 2010 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Reserved

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ :

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee wishes to include in this report, such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) carbon black unloading area, identified as EU-01, installed in 1961 and modified in 1996, with a maximum capacity of 18,916 pounds per hour, using four baghouses as control, exhausting at stacks 356 A - D. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(b) One (1) Banbury mixing area, identified as EU-02, consisting of three (3) mixers operating in series, constructed in 1961 and modified in 1968 and 2007, with a maximum capacity of 46,974 pounds of rubber, carbon black, and chemicals per hour, using three (3) baghouses for control and exhausting at stacks 197, 200, 201 to 203, 208, 210, 211, 216, 286, and 414.

(d) One (1) component preparation area, identified as EU-03, which includes milling, extruding, and calendaring, constructed prior to 1974 with one mill constructed in 2007, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendaring and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330, and 415. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(e) One (1) tire building area, constructed in 1961, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stack 279. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and sixteen (16) presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(g) One (1) white side wall (WSW) grinding and tire uniformity optimizer (TUO) Module Area, constructed in 1961 and modified in 2003, with a maximum capacity of 35,467 pounds per hour for WSW grinding and 7,093 pounds per hour for TUO operations, using centrifugal separators as control, exhausting at stacks 258-261, and 265-277. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(h) One (1) tread end cementing process consisting of lines #1 and #2, identified as EU-04, with a maximum production capacity of 2,081 tires per hour or 33,646 pounds per hour, constructed in 1961 and modified in 1990 and 1996, using particulate baffle filters, exhausting to one of the four process boilers to control VOC. This unit is an affected facility under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(i) Miscellaneous solvent usage.

Insignificant Activities:

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limits [326 IAC 2-2]

The total VOC emissions from the one (1) Banbury mixing area, identified as EU-02, the one (1) white sidewall (WSW) grinder and tire uniformity optimizer (TUO) module area, the one (1) component preparation area, identified as EU-03, the one (1) tire curing process, identified as EU-05, the one (1) tread end cementing process, identified as EU-04, the one (1) green tire spray operation, the one (1) protectant spray operation, and the source-wide solvent use shall not exceed 243.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this emission limit, combined with the potential VOC emissions from combustion sources at the facility, will ensure that the potential to emit from the source is less than 250 tons of VOC per year and render the requirements of 326 IAC 2-2 not applicable.

D.1.2 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, particulate emissions shall be limited as follows:

(a) Carbon black unloading shall not exceed 18.48 pounds per hour when operating at a process weight rate of 18,916 pounds per hour.

(b) Banbury mixing shall not exceed 33.98 pounds per hour when operating at a process weight rate of 46,974 pounds per hour.

(c) WSW grinding shall not exceed 28.15 pounds per hour when operating at a process weight rate of 35,467 pounds per hour.

(d) The TUO module area shall not exceed 9.58 pounds per hour when operating at a process weight rate of 7,093 pounds per hour.

(e) Pursuant to 326 IAC 6-3-2, particulate emissions from the tread end cementing operations shall not exceed 27.1 pounds per hour when operating at a process weight of 33,646 pounds per hour.

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

(f) Pursuant to 326 IAC 6-3-2(d), particulate emissions from the protectant spray operation shall be controlled by particulate baffle filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(g) Pursuant to 326 IAC 6-3-2(d), particulate emissions from each of the green tire spraying booths shall be controlled by particulate baffle filter, and the Permittee shall operate the control device in accordance with manufacturer’s specifications.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition,

Compliance Determination Requirements

D.1.4 Volatile Organic Compound (VOC) Emissions Determination

(a) The Permittee shall calculate VOC emissions (in tons) each calendar month using the

appropriate equation below for each of the following processes: rubber mixing, rubber milling, rubber extruding, rubber calendering, tire curing, WSW grinding, and TUO grinding. For all equations below, the maximum VOC emission factors shall be from the U.S. EPA's AP-42, Chapter 4.12.

(1) VOC emissions from rubber mixing shall be calculated using the following equation:
VOC Emissions (tons/month) = (RM * MEF)/2000

where: RM = pounds of rubber mixed per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds mixed that month

(2) VOC emissions from rubber milling shall be calculated using the following equation:

VOC Emissions (tons/month) = (MR * MEF)/2000

where: MR = pounds of rubber milled per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds milled that month

(3) VOC emissions from rubber extruding shall be calculated using the following equation:

VOC Emissions (tons/month) = (RE * MEF)/2000

where: RE = pounds of rubber extruded per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds extruded that month

(4) VOC emissions from rubber calendering shall be calculated using the following equation:

VOC Emissions (tons/month) = (CR * MEF)/2000

where: CR = pounds of rubber calendered per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds calendered that month

(5) VOC emissions from the tire curing process shall be calculated using the following equation:

VOC Emissions (tons/month) = (RC * MEF)/2000

where: RC = pounds of rubber cured per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds cured that month

(6) VOC emissions from WSW grinding shall be calculated using the following equation:

VOC Emissions (tons/month) = $(SG * 1.59 \times 10^{-2})/2000$

where: SG = pounds of rubber removed in WSW grind per month; calculated by multiplying the number of tires ground and the maximum weight of rubber removed per grind

(7) VOC emissions from the TUO grinding operations shall be calculated using the following equation:

VOC Emissions (tons/month) = $(G * 1.59 X 10^{-2})/2000$

where: G = pounds of rubber removed in TUO grind per month; calculated by multiplying the number of tires ground and the maximum weight of rubber removed per grind

(b) The Permittee shall calculate VOC emissions (in tons) each calendar month using mass balance calculations for each of the following processes: silane binder usage, ink marking, tread end cementing, green tire spraying and WSW protectant spraying. The monthly VOC emissions are the sum of the VOC emissions from each coating or solvent used during the month. The VOC emissions from each coating or solvent will be calculated by multiplying the VOC content of a coating or solvent by the amount of that coating or solvent used during the calendar month.

D.1.5 Particulate Control

(a) In order to comply with Condition D.1.1, the dust collectors, baghouses, and centrifugal separators for particulate control shall be in operation and control emissions from the carbon black unloading, Banbury mixing, WSW grinding and TUO Module Area at all times that the facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(c) In order to comply with Condition D.1.2(f) and (g), the baffle filters for particulate control shall be in operation and control emissions at all times the tread end cementers are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.6 Monitoring [40 CFR 64]

(a) Visible emission notations of the carbon black unloading area baghouse stack exhausts (stacks 356A, 356B, 356C and 356D) shall be performed once per day during normal daylight operations. A trained employee or a trained contractor shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the banbury mixing, pellet spiraling for banbury mixing, BB dump and pellet feed for banbury mixing baghouse stack exhausts (stacks 200, 208 and 210) shall be performed once per day during normal daylight operations. A trained employee or a trained contractor shall record whether emissions are normal or abnormal.

(c) Visible emission notations of the WSW grinding and TUO module area stack exhausts (stacks 258 to 261 and 265 to 277) shall be performed once per day during normal daylight operations. A trained employee or a trained contractor shall record whether emissions are normal or abnormal.

(d) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(e) In the case of batch or discontinuous operations, readings shall be taken during that part

of the operation that would normally be expected to cause the greatest emissions.

(f) A trained employee or contractor is a person who has worked or trained at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(g) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring [40 CFR 64]

The Permittee shall perform automatic daily monitoring and recording of the pressure differential readings on the banbury mixers, BB dump, and pellet feed. This information shall be provided by a PLC/differential pressure transducer based system. The system shall take daily readings of the baghouses pressure drop ranges and shall be maintained at 1.0 to 5.0 inches of water or ranges established during the latest stack test. Any reading outside this range shall sound an alarm/alert function for immediate response by maintenance personnel to shut the unit down until the situation is remedied. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 to 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.

D.1.8 Broken or Failed Bag Detection

(a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.6(a), (b), and (c), the Permittee shall maintain records of daily visible emission notations of the stack exhaust from 197, 200, 208, 210, 258 to 261, 265 to 277, and 356A to 356D. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

(b) To document the compliance status with Condition D.1.7, the Permittee shall maintain the daily automatic or manual readings of the Banbury mixing, BB dump and pellet feed for Banbury mixing baghouses differential pressure. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

(c) The Permittee shall retain a copy of all records necessary to determine the compliance status with the requirements of Condition D.1.1. Those records include, but are not limited to:

(1) The VOC content of each coating material and solvent used.

(A) less water; and

(B) including water.

(2) The amount of coating material and solvent used on a monthly basis.

(A) Records shall include purchase orders, invoices, usage logs or other reasonable methods and material safety data sheets (MSDS), VOC data sheets, certificate of analysis or other means necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The weight of VOCs emitted for each compliance period.

(d) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligation with regard to the records required by this condition.

D.1.10 Reporting Requirements

The Permittee shall submit a semi-annual summary of the information to document the compliance status with Condition D.1.1, not later than thirty (30) days after the end of the six (6)-month period being reported. Section C - General Reporting Requirements contains the Permittee's obligation with regard to the reporting required by this condition. This report requires the certification by a “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(c) Four (4) natural gas or No. 2/No. 6 fuel oil or fuel oil blend fired boilers, identified as #1, #2, #3, (constructed in 1961), and #5 (constructed in 1974), with maximum capacities of 52, 52, 52, and 130 million British thermal units per hour (MMBtu/hr), respectively, using no control. Boilers #1 and #2 exhaust at stack 109, boiler #3 exhausts at stack 114, and boiler #5 exhausts at stack 257.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Minor Limits [326 IAC 2-2]

(a) The emissions of SO_2 from Boilers #1, #2, #3, and #5, and all space heaters in the facility shall not exceed 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(1) The one (1) boiler, with a maximum heat input capacity of 52 MMBtu/hr, identified as Boiler #3, shall only use natural gas.

(2) The three (3) boilers, with maximum heat input capacities of 52, 52, and 130 MMBtu/hr, identified as Boilers #1, #2, and #5, respectively, shall use any combination of natural gas, #2 fuel oil, and #6 fuel oil.

(3) The sulfur content for #2 and #6 fuel oil shall not exceed 1.5%.

(b) The emissions of NO_X from Boilers #1, #2, #3, and #5, and all space heaters in the facility shall not exceed 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from the source is less than 250 tons of SO_2 and NO_X per year and render the requirements of 326 IAC 2-2 not applicable.

D.2.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), the SO2 emissions from Boiler #1 through #3 and #5 shall be limited as follows:

(a) one and six tenths (1.6) pounds per MMBtu heat input when combusting No. 6 fuel oil, or

(b) five tenths (0.5) pounds per MMBtu heat input when combusting No. 2 fuel oil.

D.2.3 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Limitations for Sources of Indirect Heating) the PM emissions from Boilers #1 through #3 shall each be limited to 0.61 pounds per MMBtu heat input, and the PM emissions from Boiler #5 shall be limited to 0.45 pounds per MMBtu heat input.

These limitations are based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}.$$

where

C = 50 u/m3
Pt = emission rate limit (lbs/MMBtu)
Q = total source heat input capacity (MMBtu/hr)
N = number of stacks
a = plume rise factor (0.67)
h = stack height (ft)

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee shall conduct stack testing for opacity when burning No.6 fuel oil in Boiler #5. Compliance shall be determined by a performance stack test. The Permittee shall perform opacity testing utilizing Method 9 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner at least once every five (5) years. The Permittee shall not be required to perform opacity testing should No. 6 fuel oil not be used in Boiler #5 during the five (5) year period. Opacity testing shall be performed no later than three (3) months from the date of switching to No. 6 fuel oil. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.2.6 Sulfur Dioxide (SO_2) Emissions

Compliance with the SO_2 emissions limit in Condition D.2.1 shall be determined by using the following equation:

Total SO_2 Emissions (tons/month) = SO_2[#2 fuel oil] + SO_2[#6 fuel oil] + SO_2[natural gas]

(a) For #2 fuel oil:

(1) SO_2 emissions (tons/month) = T * 142S / 2000

where: T = throughput of #2 fuel oil in kilogallons per month
S = percent (%) sulfur content

(b) For #6 fuel oil:

(1) SO_2 emissions (tons/month) = T * 157S / 2000

where: T = throughput of #6 fuel oil in kilogallons per month
S = percent (%) sulfur content

(c) For natural gas:

(1) SO_2 emissions (tons/month) = T * 0.6 / 2000

where: T = throughput of natural gas in MMCF per month

D.2.7 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Conditions D.2.1(a) and D.2.2 shall be determined utilizing one (1) of the following options:

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate the fuel oil sulfur content does not exceed one and five tenths percent (1.5%) by weight or one and six tenths (1.6) pounds per MMBtu heat input (No. 6 fuel oil) or five tenths (0.5) pounds per MMBtu heat input (No. 2 fuel oil) by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance with Condition D.2.2 may also be determined by conducting a stack test for sulfur dioxide emissions from the boilers using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.2.8 Emissions of Nitrogen Oxides (NO_X)

Compliance with the NO_X emissions limit in Condition D.2.1(b) shall be determined by using the following equation:

Total NO_X Emissions (tons/month) = Throughput (MMCF) of natural gas * 100 (AP-42 emission factor)

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.2.9 Visible Emissions Notations

(a) Visible emission notations of the boiler#1 through #3 and #5 stack exhaust shall be performed once per day during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.10 Record Keeping Requirements

(a) To document the compliance status with Conditions D.2.1(a) and D.2.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limits established in Condition D.2.1(a) and D.2.2.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document the compliance status with Condition D.2.1(b), the Permittee shall maintain records of the actual monthly natural gas usage and equivalent NO_X emissions.

(c) To document the compliance status with Condition D.2.9, the Permittee shall maintain records of visible emission notations of the boiler #1-#3, and boiler #5 stack exhaust while combusting fuel oil. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

(d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regard to the records required by this condition.

D.2.11 Reporting Requirements

(a) The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, no later than thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall submit a semi-annual summary of the information to document the compliance status with Condition D.2.1, not later than thirty (30) days after the end of the six (6)-month period being reported. Section C - General Reporting Requirements contains the Permittee's obligation with regard to the reporting required by this condition. This report requires the certification by a “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Insignificant Activities:

(d) Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 2-6; [326 IAC 8-3-2]

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(d) One (1) component preparation area, identified as EU-03, which includes milling, extruding, and calendaring, constructed prior to 1974 with one mill constructed in 2007, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendaring and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330, and 415. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(e) One (1) tire building area, constructed in 1961, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stack 279. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and 26 presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(h) One (1) tread end cementing process consisting of lines #1 and #2, identified as EU-04, with a maximum production capacity of 2,081 tires per hour or 33,646 pounds per hour, constructed in 1961 and modified in 1990 and 1996, using particulate baffle filters, exhausting to one of the four process boilers to control VOC. This unit is an affected facility under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(i) Miscellaneous solvent usage.

Insignificant Activities:

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.5980, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the affected facilities, as specified in Table 17 of 40 CFR Part 63, Subpart XXXX in accordance with schedule in 40 CFR 63, Subpart XXXX.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.1.2 National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing [40 CFR Part 63, Subpart XXXX]

Pursuant to 40 CFR Part 63, Subpart XXXX, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart XXXX, as follows, on and after July 11, 2005. The entire text of 40 CFR Part 63, Subpart XXXX is included as Attachment A to this permit.

1) 40 CFR 63.5980
2) 40 CFR 63.5981
3) 40 CFR 63.5982 (a), (b)(1), (b)(4), (e)
4) 40 CFR 63.5983(b)
5) 40 CFR 63.5984
6) 40 CFR 63.5985(b)
7) 40 CFR 63.5990
8) 40 CFR 63.5994(a), (b), (d)
9) 40 CFR 63.5996
10) 40 CFR 63.6003
11) 40 CFR 63.6004
12) 40 CFR 63.6009 (a), (e), (f)
13) 40 CFR 63.6010 (a), (b)(3) through (5), (c)(1) through (5), (c)(7), (d), (e), (g)
14) 40 CFR 63.6011
15) 40 CFR 63.6012
16) 40 CFR 63.6013
17) 40 CFR 63.6014
18) 40 CFR 63.6015
19) Applicable portions of Table 1
20) Applicable portions of Table 6
21) Applicable portions of Table 9
22) Applicable portions of Table 10
23) Applicable portions of Table 15
24) Applicable portions of Table 16
25) Applicable portions of Table 17

SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(h) One (1) tread end cementing process consisting of lines #1 and #2, with a production capacity of 2,081 tires per hour, using particulate baffle filters, exhausting at stacks 158 and 159. Line #1 was modified in 1996; Line #2 was modified in 1990. This unit is an affected unit under 40 CFR 63, Subpart XXXX and 40 CFR 60, Subpart BBB.

Insignificant Activities:

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 63, Subpart XXXX and 40 CFR 60, Subpart BBB.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements

E.2.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the units described in this section, except when otherwise specified in 40 CFR Part 60, Subpart BBB.

E.2.2 NSPS for Rubber Tire Manufacturing Requirements [40 CFR Part 60.500, Subpart BBB]

Pursuant to 40 CFR Part 60, Subpart BBB, the Permittee shall comply with the provisions of 40 CFR Part 60.540. The entire text of 40 CFR Part 60, Subpart BBB is included as Attachment B to this permit.

1) 40 CFR 60.540 (a), (c)
2) 40 CFR 60.541
3) 40 CFR 60.542 (a)(3), (a)(5)
4) 40 CFR 60.543 (a), (b), (c), (l), (m)
5) 40 CFR 60.545 (d)
6) 40 CFR 60.546 (c)
7) 40 CFR 60.547
8) 40 CFR 60.548

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.: T003-20341-00008

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.: T003-20341-00008

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), no later than four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.: T003-20341-00008

☐ Natural Gas Only ☐ Alternate Fuel burned From:_____ To:_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
VOC Semi-Annual Report

Source Name:	BF Goodrich Tire Manufacturing
Source Address:	18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.:	T003-20341-00008
Facility:	Entire Source
Parameter:	Total VOC emissions
Limit:	Less than 243.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	Total VOC Emissions	Total VOC Emissions	Total VOC Emissions
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
SO_2 Semi-Annual Report

Source Name:	BF Goodrich Tire Manufacturing
Source Address:	18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.:	T003-20341-00008
Facility:	Boilers #1, #2, #3, and #5, and all facility space heaters
Parameter:	Total SO_2 emissions
Limit:	Less than 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

Compliance with the SO_2 emissions limit shall be determined by using the following equation:

Total SO_2 Emissions (tons/month) = SO_2[#2 fuel oil] + SO_2[#6 fuel oil] + SO_2[natural gas]

(a) For #2 fuel oil: SO_2 emissions (tons/month) = T * 142S / 2000
where: T = throughput of #2 fuel oil in kilogallons per month
S = percent (%) sulfur content

(b) For #6 fuel oil: SO_2 emissions (tons/month) = T * 157S / 2000
where: T = throughput of #6 fuel oil in kilogallons per month
S = percent (%) sulfur content

(c) For natural gas: SO_2 emissions (tons/month) = T * 0.6 / 2000
where: T = throughput of natural gas in MMCF per month

YEAR: _____

Month	Total SO_2 Emissions	Total SO_2 Emissions	Total SO_2 Emissions
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
NO_X Semi-Annual Report

Source Name:	BF Goodrich Tire Manufacturing
Source Address:	18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.:	T003-20341-00008
Facility:	Boilers #1, #2, #3, and #5, and all facility space heaters
Parameter:	Total NO_X emissions
Limit:	Less than 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

Compliance with the NO_X emissions limit shall be determined by using the following equation:

Total NO_X Emissions (tons/month) = Throughput (MMCF) of natural gas * 100 (AP-42 emission factor)

YEAR: _____

Month	Total NO_X Emissions	Total NO_X Emissions	Total NO_X Emissions
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 Highway 24 East, Woodburn, Indiana 46797
Part 70 Permit No.: T003-20341-00008

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attachment A to Part 70 Operating Permit Renewal No. 003-20341-00008

BF Goodrich Tire Manufacturing
18906 Highway 24 East, Woodburn, Indiana 46797-0277

40 CFR 63, Subpart XXXX—National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing

Source: 67 FR 45598, July 9, 2002, unless otherwise noted.

What This Subpart Covers

§ 63.5980 What is the purpose of this subpart?

This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for rubber tire manufacturing. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.

§ 63.5981 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate a rubber tire manufacturing facility that is located at, or is a part of, a major source of hazardous air pollutant (HAP) emissions.

(1) Rubber tire manufacturing includes the production of rubber tires and/or the production of components integral to rubber tires, the production of tire cord, and the application of puncture sealant. Components of rubber tires include, but are not limited to, rubber compounds, sidewalls, tread, tire beads, tire cord and liners. Other components often associated with rubber tires but not integral to the tire, such as wheels, inner tubes, tire bladders, and valve stems, are not components of rubber tires or tire cord and are not subject to this subpart.

(2) A major source of HAP emissions is any stationary source or group of stationary sources within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, any single HAP at a rate of 9.07 megagrams (10 tons) or more per year or any combination of HAP at a rate of 22.68 megagrams (25 tons) or more per year.

(b) You are not subject to this subpart if the affected source at your rubber tire manufacturing facility meets either of the conditions described in paragraph (b)(1) or (2) of this section.

(1) You own or operate a tire cord production affected source, but the primary product produced at the affected source is determined to be subject to another subpart under this part 63 as of the effective date of that subpart (publication date of the final rule) or startup of the source, whichever is later. In this case, you must determine which subpart applies to your source and you must be in compliance with the applicable subpart by the compliance date of that subpart. The primary product is the product that is produced for the greatest operating time over a 5-year period, based on expected utilization for the 5 years following the compliance date or following initial startup of the source, whichever is later.

(2) Your rubber tire manufacturing affected source is a research and development facility whose primary purpose is to conduct research and development into new processes and products, where such source is operated under the close supervision of technically trained personnel and is not engaged in the manufacture of products for commercial sale in commerce, except in a de minimis manner.

§ 63.5982 What parts of my facility does this subpart cover?

(a) This subpart applies to each existing, new, or reconstructed affected source at facilities engaged in the manufacture of rubber tires or their components.

(b) The affected sources are defined in paragraph (b)(1) of this section (tire production), paragraph (b)(2) of this section (tire cord production), paragraph (b)(3) of this section (puncture sealant application), and paragraph (b)(4) of this section (rubber processing).

(1) The tire production affected source is the collection of all processes that use or process cements and solvents as defined in §63.6015, located at any rubber tire manufacturing facility. It includes, but is not limited to: Storage and mixing vessels and the transfer equipment containing cements and/or solvents; wastewater handling and treatment operations; tread and cement operations; tire painting operations; ink and finish operations; undertread cement operations; process equipment cleaning materials; bead cementing operations; tire building operations; green tire spray operations; extruding, to the extent cements and solvents are used; cement house operations; marking operations; calendar operations, to the extent solvents are used; tire striping operations; tire repair operations; slab dip operations; other tire building operations, to the extent that cements and solvents are used; and balance pad operations.

(2) The tire cord production affected source is the collection of all processes engaged in the production of tire cord. It includes, but is not limited to: dipping operations, drying ovens, heat-set ovens, bulk storage tanks, mixing facilities, general facility vents, air pollution control devices, and warehouse storage vents.

(3) The puncture sealant application affected source is the puncture sealant application booth operation used to apply puncture sealant to finished tires.

(4) The rubber processing affected source is the collection of all rubber mixing processes (e.g., banburys and associated drop mills) that either mix compounds or warm rubber compound before the compound is processed into components of rubber tires. The mixed rubber compound itself is also included in the rubber processing affected source. There are no emission limitations or other requirements for the rubber processing affected source.

(c) An affected source is a new affected source if construction of the affected source commenced after October 18, 2000, and it met the applicability criteria of §63.5981 at the time construction commenced.

(d) An affected source is reconstructed if it meets the criteria as defined in §63.2.

(e) An affected source is existing if it is not new or reconstructed.

§ 63.5983 When do I have to comply with this subpart?

(a) If you have a new or reconstructed affected source, except as provided in §§63.5982(b)(4) and 63.5981(b)(1), you must comply with the emission limitations for new and reconstructed sources in this subpart upon startup.

(b) If you have an existing affected source, you must comply with the emission limitations for existing sources no later than July 11, 2005.

(c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the affected source(s) must be in compliance with existing

source emission limitations no later than 3 years after the date on which the area source became a major source.

(d) You must meet the notification requirements in §63.6009 according to the schedule in §63.6009 and in subpart A of this part. Some of the notifications must be submitted before the date you are required to comply with the emission limitations in this subpart.

Emission Limits for Tire Production Affected Sources

§ 63.5984 What emission limits must I meet for tire production affected sources?

You must meet each emission limit in either option 1 or option 2 of Table 1 to this subpart that applies to you.

§ 63.5985 What are my alternatives for meeting the emission limits for tire production affected sources?

You must use one of the compliance alternatives in paragraphs (a) through (c) of this section to meet either of the emission limits in §63.5984.

(a) *Purchase alternative.* Use only cements and solvents that, as purchased, contain no more HAP than allowed by the emission limits in Table 1 to this subpart, option 1 (HAP constituent option).

(b) *Monthly average alternative, without using an add-on control device.* Use cements and solvents in such a way that the monthly average HAP emissions do not exceed the emission limits in Table 1 to this subpart, option 1 or option 2.

(c) *Monthly average alternative, using an add-on control device.* Use a control device to reduce HAP emissions so that the monthly average HAP emissions do not exceed the emission limits in Table 1 to this subpart, option 1 or option 2.

Emission Limits for Tire Cord Production Affected Sources

§ 63.5986 What emission limits must I meet for tire cord production affected sources?

You must meet each emission limit in either option 1 or option 2 of Table 2 to this subpart that applies to you.

§ 63.5987 What are my alternatives for meeting the emission limits for tire cord production affected sources?

You must use one of the compliance alternatives in paragraph (a) or (b) of this section to meet the emission limits in §63.5986.

(a) *Monthly average alternative, without using an add-on control device.* Use coatings in such a way that the monthly average HAP emissions do not exceed the emission limits in Table 2 to this subpart.

(b) *Monthly average alternative, using an add-on control device.* Use a control device to reduce HAP emissions so that the monthly average HAP emissions do not exceed the emission limits in Table 2 to this subpart.

Emission Limitations for Puncture Sealant Application Affected Sources

§ 63.5988 What emission limitations must I meet for puncture sealant application affected sources?

(a) You must meet each emission limit in either option 1 or option 2 of Table 3 to this subpart that applies to you.

(b) If you use an add-on control device to meet the emission limits in Table 3 to this subpart, you must also meet each operating limit in Table 4 to this subpart that applies to you.

§ 63.5989 What are my alternatives for meeting the emission limitations for puncture sealant application affected sources?

You must use one of the compliance alternatives in paragraphs (a) through (d) of this section to meet the emission limitations in §63.5988.

(a) *Overall control efficiency alternative.* Use an emissions capture system and control device and demonstrate that the application booth emissions meet the emission limits in Table 3 to this subpart, option 1a or 1b, and the control device and capture system meet the operating limits in Table 4 to this subpart.

(b) *Permanent total enclosure and control device efficiency alternative.* Use a permanent total enclosure that satisfies the Method 204 criteria in 40 CFR part 51, appendix M. Demonstrate that the control device meets the emission limits in Table 3 to this subpart, option 1a or 1b. You must also show that the control device and capture system meet the operating limits in Table 4 to this subpart.

(c) *Monthly average alternative, without using an add-on control device.* Use puncture sealants in such a way that the monthly average HAP emissions do not exceed the emission limits in Table 3 to this subpart, option 2.

(d) *Monthly average alternative, using an add-on control device.* Use a control device to reduce HAP emissions so that monthly average HAP emissions do not exceed the emission limits in Table 3 to this subpart, option 2.

General Compliance Requirements

§ 63.5990 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the applicable emission limitations specified in Tables 1 through 4 to this subpart at all times, except during periods of startup, shutdown, and malfunction if you are using a control device to comply with an emission limit.

(b) Except as provided in §63.5982(b)(4), you must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).

(c) During the period between the compliance date specified for your source in §63.5983 and the date upon which continuous compliance monitoring systems (CMS) have been installed and validated and any applicable operating limits have been set, you must maintain a log detailing the operation and maintenance of the process and emission control equipment.

(d) For each affected source that complies with the emission limits in Tables 1 through 3 to this subpart using a control device, you must develop a written startup, shutdown, and malfunction plan according to the provisions in §63.6(e)(3).

(e) For each monitoring system required in this section, you must develop and submit for approval a site-specific monitoring plan that addresses the requirements in paragraphs (e)(1) through (3) of this section as follows:

(1) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit so that the measurement is representative of control of the exhaust emissions (*e.g.,* on or downstream of the last control device);

(2) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

(3) Performance evaluation procedures and acceptance criteria (*e.g.,* calibrations).

(f) In your site-specific monitoring plan, you must also address the ongoing procedures specified in paragraphs (f)(1) through (3) of this section as follows:

(1) Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1), (3), (4)(ii), (7), and (8), and this section;

(2) Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and

(3) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of §63.10(c), (e)(1), and (e)(2)(i).

[67 FR 45598, July 9, 2002, as amended at 71 FR 20466, Apr. 20, 2006]

General Testing and Initial Compliance Requirements

§ 63.5991 By what date must I conduct an initial compliance demonstration or performance test?

(a) If you have a new or reconstructed affected source, you must conduct each required initial compliance demonstration or performance test within 180 calendar days after the compliance date that is specified for your new or reconstructed affected source in §63.5983(a). If you are required to conduct a performance test, you must do so according to the provisions of §63.7(a)(2).

(b) If you have an existing affected source, you must conduct each required initial compliance demonstration or performance test no later than the compliance date that is specified for your existing affected source in §63.5983(b). If you are required to conduct a performance test, you must do so according to the provisions of §63.7(a)(2).

(c) If you commenced construction or reconstruction between October 18, 2000 and July 9, 2002, you must demonstrate initial compliance with either the proposed emission limitations or the promulgated emission limitations no later than January 6, 2003, or within 180 calendar days after startup of the source, whichever is later, according to §63.7(a)(2)(ix).

(d) If you commenced construction or reconstruction between October 18, 2000 and July 9, 2002, and you chose to comply with the proposed emission limitation when demonstrating initial compliance, you must conduct a second compliance demonstration for the promulgated emission limitation no later than January 5, 2006, or after startup of the source, whichever is later, according to §63.7(a)(2)(ix).

§ 63.5992 When must I conduct subsequent performance tests?

If you use a control system (add-on control device and capture system) to meet the emission limitations, you must also conduct a performance test at least once every 5 years following your initial compliance demonstration to verify control system performance and reestablish operating parameters or operating limits for control systems used to comply with the emissions limits.

§ 63.5993 What performance tests and other procedures must I use?

(a) If you use a control system to meet the emission limitations, you must conduct each performance test in Table 5 to this subpart that applies to you.

(b) Each performance test must be conducted according to the requirements in §63.7(e)(1) and under the specific conditions specified in Table 5 to this subpart.

(c) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §63.7(e)(1).

(d) You must conduct three separate test runs for each performance test required in this section, as specified in §63.7(e)(1), unless otherwise specified in the test method. Each test run must last at least 1 hour.

(e) If you are complying with the emission limitations using a control system, you must also conduct performance tests according to the requirements in paragraphs (e)(1) through (3) of this section as they apply to you.

(1) *Determining capture efficiency of permanent or temporary total enclosure.* Determine the capture efficiency of a capture system by using one of the procedures in Table 5 to this subpart.

(2) *Determining capture efficiency of an alternative method.* As an alternative to constructing a permanent or temporary total enclosure, you may determine the capture efficiency using any capture efficiency protocol and test methods if the data satisfy the criteria of either the Data Quality Objective or the Lower Confidence Limit approach in appendix A to subpart KK of this part.

(3) *Determining efficiency of an add-on control device.* Use Table 5 to this subpart to select the test methods for determining the efficiency of an add-on control device.

Testing and Initial Compliance Requirements for Tire Production Affected Sources

§ 63.5994 How do I conduct tests and procedures for tire production affected sources?

(a) *Methods to determine the mass percent of HAP in cements and solvents.* To determine the HAP content in the cements and solvents used at your tire production affected source, use EPA Method 311 of appendix A of this part, an approved alternative method, or any other reasonable means for determining the HAP content of your cements and solvents. Other reasonable means include, but are not limited to: a material safety data sheet (MSDS), provided it contains appropriate information; a certified product data sheet (CPDS); or a manufacturer's hazardous air pollutant data sheet. You are not required to test the materials that you use, but the Administrator may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. If the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.

(b) *Methods to demonstrate compliance with the HAP constituent emission limits in Table 1 to this subpart (option 1).* Use the method in paragraph (b)(1) of this section to demonstrate initial and continuous compliance with the applicable emission limits for tire production affected sources using the compliance alternative described in §63.5985(a), purchase alternative. Use the equations in paragraphs (b)(2) and (3) of this section to demonstrate initial and continuous compliance with the emission limits for tire production affected sources using the monthly average compliance alternatives described in §63.5985(b) and (c).

(1) Determine the mass percent of each HAP in each cement and solvent according to the procedures in paragraph (a) of this section.

(2) Use Equation 1 of this section to calculate the HAP emission rate for each monthly operating period when complying by using cements and solvents without using an add-on control device so that the monthly average HAP emissions do not exceed the HAP constituent emission limits in Table 1 to this subpart, option 1. Equation 1 follows:

$$E_{month} = \frac{\left(\sum_{i=1}^{n}(HAP_i)(TMASS_i)\right)(10^6)}{\sum_{i=1}^{n} TMASS_i} \qquad \text{(Eq. 1)}$$

Where:

E_{month}=mass of the specific HAP emitted per total mass cements and solvents from all cements and solvents used in tire production per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of the specific HAP in cement and solvent i, as purchased, determined in accordance with paragraph (a) of this section.

$TMASS_i$=total mass of cement and solvent i used in the month, grams.

n=number of cements and solvents used in the month.

(3) Use Equation 2 of this section to calculate the HAP emission rate for each monthly period when complying by using a control device to reduce HAP emissions so that the monthly average HAP emissions do not exceed the HAP constituent emission limits in Table 1 to this subpart (option 1). Equation 2 follows:

$$E_{month} = \frac{\left\{\sum_{i=1}^{n}(HAP_i)(TMASS_i) + \sum_{j=1}^{m}(HAP_j)(TMASS_j)\left(1-\frac{EFF}{100}\right) + \sum_{k=1}^{p}(HAP_k)(TMASS_k)\right\}(10^6)}{\sum_{i=1}^{n}TMASS_i + \sum_{j=1}^{m}TMASS_j + \sum_{k=1}^{p}TMASS_k} \qquad \text{(Eq. 2)}$$

Where:

E_{month}=mass of the specific HAP emitted per total mass cements and solvents from all cements and solvents used in tire production per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of the specific HAP in cement and solvent i, as purchased, determined in accordance with paragraph (a) of this section for cements and solvents used in the month in processes that are not routed to a control device.

$TMASS_i$=total mass of cement and solvent i used in the month in processes that are not routed to a control device, grams.

n=number of cements and solvents used in the month in processes that are not routed to a control device.

HAP_j=mass percent, expressed as a decimal, of the specific HAP in cement and solvent j, as purchased, determined in accordance with paragraph (a) of this section, for cements and solvents used in the month in processes that are routed to a control device during operating days, which are defined as days when the control system is operating within the operating range established during the performance test and when monitoring data are collected.

$TMASS_j$=total mass of cement and solvent j used in the month in processes that are routed to a control device during all operating days, grams.

EFF=efficiency of the control system determined during the performance test (capture system efficiency multiplied by the control device efficiency), percent.

m=number of cements and solvents used in the month that are routed to a control device during all operating days.

HAP_k=mass percent, expressed as a decimal, of the specific HAP in cement and solvent k, as purchased, for cements and solvents used in the month in processes that are routed to a control device during non-control operating days, which are defined as days when either the control system is not operating within the operating range established during the performance test or when monitoring data are not collected.

$TMASS_k$=total mass of cement and solvent k used in the month in processes that are routed to a control device during all non-control operating days, grams.

p=number of cements and solvents used in the month that are routed to a control device during all non-control operating days.

(4) Each monthly calculation is a compliance demonstration for the purpose of this subpart.

(c) *Methods to demonstrate compliance with the production-based emission limits in Table 1 to this subpart, option 2.* Use the methods and equations in paragraphs (c)(1) through (6) of this section to demonstrate initial and continuous compliance with the production-based emission limits for tire production affected sources using the compliance alternatives described in §63.5985(b) and (c).

(1) *Methods to determine the mass percent of each HAP in cements and solvents.* Determine the mass percent of all HAP in cements and solvents using the applicable methods specified in paragraph (a) of this section.

(2) *Quantity of rubber used.* Determine your quantity of rubber used (megagrams) by accounting for the total mass of mixed rubber compound that is delivered to the tire production operation.

(3) *Compliance without use of an add-on control device.* If you do not use an add-on control device to meet the emission limits, use Equation 3 of this section to calculate the monthly HAP emission rate in grams of HAP emitted per megagram of rubber used, using the quantity of rubber used per month (megagrams), as determined in paragraph (c)(2) of this section so that the monthly average HAP emission does not exceed the HAP emission limit in Table 1 to this subpart, option 2. Equation 3 follows:

$$E_{month} = \frac{\sum_{i=1}^{n} (HAP_i)(TMASS_i)}{RMASS} \quad \text{(Eq. 3.)}$$

Where:

E_{month}=mass of all HAP emitted per total mass of rubber used month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of all HAP in cement and solvent i, as purchased, determined in accordance with paragraph (a) of this section.

$TMASS_i$=total mass of cement and solvent i used in the month, grams.

n=number of cements and solvents used in the month.

RMASS=total mass of rubber used per month, megagrams.

(4) *Compliance with use of an add-on control device.* If you use a control device to meet the emission limits, use Equation 4 of this section to calculate the monthly HAP emission rate in grams of HAP emitted per megagram of rubber used, using the quantity of rubber used per month (megagrams), as determined in paragraph (c)(2) of this section so that the monthly average HAP emission does not exceed the HAP emission limit in Table 1 of this subpart, option 2. Equation 4 follows:

$$E_{month} = \frac{\sum_{i=1}^{n}(HAP_i)(TMASS_i) + \sum_{j=1}^{m}(HAP_j)(TMASS_j)\left(1 - \frac{EFF}{100}\right) + \sum_{k=1}^{p}(HAP_k)(TMASS_k)}{RMASS} \qquad \text{(Eq. 4)}$$

Where:

E_{month}=mass of all HAP emitted per total mass rubber used per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of all HAP in cement and solvent i, as purchased, determined in accordance with paragraph (a) of this section for cements and solvents used in the month in processes that are not routed to a control device.

$TMASS_i$=total mass of cement and solvent i used in the month in processes that are not routed to a control device, grams.

n=number of cements and solvents used in the month in processes that are not routed to a control device.

HAP_j=mass percent, expressed as a decimal, of all HAP in cement and solvent j, as purchased, determined in accordance with paragraph (a) of this section, for cements and solvents used in the month in processes that are routed to a control device during operating days, which are defined as days when the control system is operating within the operating range established during the performance test and when monitoring data are collected.

$TMASS_j$=total mass of cement and solvent j used in the month in processes that are routed to a control device during all operating days.

EFF=efficiency of the control system determined during the performance test (capture system efficiency multiplied by the control device efficiency), percent.

m=number of cements and solvents used in the month that are routed to a control device during all operating days.

HAP_k=mass percent, expressed as a decimal, of all HAP in cement and solvent k, as purchased, for cements and solvents used in the month in processes that are routed to a control device during non-control operating days, which are defined as days when either the control system is not operating within the operating range established during the performance test or when monitoring data are not collected.

$TMASS_k$=total mass of cement and solvent k used in the month in processes that are routed to a control device during all non-control operating days, grams.

p=number of cements and solvents used in the month that are routed to a control device during all non-control operating days.

RMASS=total mass of rubber used per month, megagrams.

(5) Each monthly calculation is a compliance demonstration for the purpose of this subpart.

(d) *Specific compliance demonstration requirements for tire production affected sources.* (1) Conduct any required compliance demonstration according to the requirements in §63.5993.

(2) If you are demonstrating compliance with the HAP constituent option in Table 1 to this subpart, option 1, conduct the compliance demonstration using cements and solvents that are representative of cements and solvents typically used at your tire production affected source.

(3) Establish an operating range that corresponds to the control efficiency as described in Table 5 to this subpart.

(e) *How to take credit for HAP emissions reductions from add-on control devices.* If you want to take credit in Equations 2 and 4 of this section for HAP emissions reduced using a control system, you must meet the requirements in paragraphs (e)(1) and (2) of this section.

(1) Monitor the established operating parameters as appropriate.

(i) If you use a thermal oxidizer, monitor the firebox secondary chamber temperature.

(ii) If you use a carbon adsorber, monitor the total regeneration stream mass or volumetric flow for each regeneration cycle, and the carbon bed temperature after each regeneration, and within 15 minutes of completing any cooling cycle.

(iii) If you use a control device other than a thermal oxidizer or a regenerative carbon adsorber, install and operate a continuous parameter monitoring system according to your site-specific performance test plan submitted according to §63.7(c)(2)(i).

(iv) If you use a permanent total enclosure, monitor the face velocity across the natural draft openings (NDO) in the enclosure. Also, if you use an enclosure, monitor to ensure that the sizes of the NDO have not changed, that there are no new NDO, and that a HAP emission source has not been moved closer to an NDO since the last compliance demonstration was conducted.

(v) If you use other capture systems, monitor the parameters identified in your monitoring plan.

(2) Maintain the operating parameters within the operating range established during the compliance demonstration.

(f) *How to take credit for HAP emissions reductions when streams are combined.* When performing material balances to demonstrate compliance, if the storage of materials, exhaust, or the wastewater from more than one affected source are combined at the point where control systems are applied, any credit for emissions reductions needs to be prorated among the affected sources based on the ratio of their contribution to the uncontrolled emissions.

[67 FR 45598, July 9, 2002, as amended at 68 FR 11747, Mar. 12, 2003]

§ 63.5995 What are my monitoring installation, operation, and maintenance requirements?

(a) For each operating parameter that you are required by §63.5994(e)(1) to monitor, you must install, operate, and maintain a continuous parameter monitoring system (CPMS) according to the requirements in §63.5990(e) and (f) and in paragraphs (a)(1) through (6) of this section.

(1) You must operate your CPMS at all times that the process is operating.

(2) You must collect data from at least four equally spaced periods each hour.

(3) For at least 75 percent of the hours in an operating day, you must have valid data (as defined in your site-specific monitoring plan) for at least four equally spaced periods each hour.

(4) For each hour that you have valid data from at least four equally spaced periods, you must calculate the hourly average value using all valid data.

(5) You must calculate the daily average using all of the hourly averages calculated according to paragraph (a)(3) of this section for the 24-hour period.

(6) You must record the results for each inspection, calibration, and validation check as specified in your site-specific monitoring plan.

(b) For each temperature monitoring device, you must meet the requirements in paragraphs (a) and (b)(1) through (8) of this section.

(1) Locate the temperature sensor in a position that provides a representative temperature.

(2) For a non-cryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.2 degrees centigrade or 0.75 percent of the temperature value, whichever is larger.

(3) For a cryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.2 degrees centigrade or 2 percent of the temperature value, whichever is larger.

(4) Shield the temperature sensor system from electromagnetic interference and chemical contaminants.

(5) If a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees Fahrenheit.

(6) Perform an electronic calibration at least semiannually according to the procedures in the manufacturer's owners manual. Following the electronic calibration, you must conduct a temperature sensor validation check in which a second or redundant temperature sensor placed near the process temperature sensor must yield a reading within 16.7 degrees centigrade of the process temperature sensor's reading.

(7) Conduct calibration and validation checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor.

(8) At least monthly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion.

(c) For each integrating regeneration stream flow monitoring device associated with a carbon adsorber, you must meet the requirements in paragraphs (a) and (c)(1) and (2) of this section.

(1) Use a device that has an accuracy of ±10 percent or better.

(2) Use a device that is capable of recording the total regeneration stream mass or volumetric flow for each regeneration cycle.

(d) For any other control device, or for other capture systems, ensure that the CPMS is operated according to a monitoring plan submitted to the Administrator with the compliance status report required by §63.9(h). The monitoring plan must meet the requirements in paragraphs (a) and (d)(1) through (3) of this section. Conduct monitoring in accordance with the plan submitted to the Administrator unless comments received from the Administrator require an alternate monitoring scheme.

(1) Identify the operating parameter to be monitored to ensure that the control or capture efficiency measured during the initial compliance test is maintained.

(2) Discuss why this parameter is appropriate for demonstrating ongoing compliance.

(3) Identify the specific monitoring procedures.

(e) For each pressure differential monitoring device, you must meet the requirements in paragraphs (a) and (e)(1) and (2) of this section.

(1) Conduct a quarterly EPA Method 2 procedure (found in 40 CFR part 60, appendix A) on the applicable NDOs and use the results to calibrate the pressure monitor if the difference in results are greater than 10 percent.

(2) Inspect the NDO monthly to ensure that their size has not changed, that there are no new NDO, and that no HAP sources have been moved closer to the NDO than when the last performance test was conducted.

§ 63.5996 How do I demonstrate initial compliance with the emission limits for tire production affected sources?

(a) You must demonstrate initial compliance with each emission limit that applies to you according to Table 6 to this subpart.

(b) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.6009(e).

Testing and Initial Compliance Requirements for Tire Cord Production Affected Sources

§ 63.5997 How do I conduct tests and procedures for tire cord production affected sources?

(a) *Methods to determine the mass percent of each HAP in coatings.* (1) To determine the HAP content in the coating used at your tire cord production affected source, use EPA Method 311 of appendix A of this part, an approved alternative method, or any other reasonable means for determining the HAP content of your coatings. Other reasonable means include, but are not limited to: an MSDS, provided it contains appropriate information; a CPDS; or a manufacturer's HAP data sheet. You are not required to test the materials that you use, but the Administrator

may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. If the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.

(2) Unless you demonstrate otherwise, the HAP content analysis must be based on coatings prior to any cross-linking reactions, *i.e.,* curing. However, you may account for differences in HAP emissions resulting from chemical reactions based on the conversion rates of the individual coating formulations, chemistry demonstrations, or other demonstrations that are verifiable to the approving agency. Use the revised value in your compliance demonstration in the relevant equations in paragraph (b) of this section.

(b) *Methods to determine compliance with the emission limits in Table 2 to this subpart, option 1.* Use the equations in this paragraph (b) to demonstrate initial and continuous compliance with the emission limits for tire cord production sources using the compliance alternatives described in §63.5987(a) and (b).

(1) *Determine mass percent of HAP.* Determine the mass percent of all HAP in each coating according to the procedures in paragraph (a) of this section.

(2) *Compliance without use of an add-on control device.* If you do not use an add-on control device to meet the emission limits, use Equation 1 of this section to calculate the monthly HAP emission rate in grams of HAP emitted per megagram of fabric processed at the tire cord production source to show that the monthly average HAP emissions do not exceed the emission limits in Table 2 to this subpart, option 1. Equation 1 follows:

$$E_{month} = \frac{\sum_{i=1}^{n} (HAP_i)(TCOAT_i)}{TFAB} \quad \text{(Eq. 1)}$$

Where:

E_{month}=mass of all HAP emitted per total mass of fabric processed in the month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of all HAP in the coating i, prior to curing and including any application station dilution, determined in accordance with paragraph (a) of this section.

$TCOAT_i$=total mass of coating i made and used for application to fabric at the facility in the month, grams.

n=number of coatings used in the month.

TFAB=total mass of fabric processed in the month, megagrams.

(3) *Compliance with use of an add-on control device.* If you use a control device to meet the emission limits, use Equation 2 of this section to calculate the monthly HAP emission rate in grams of HAP emitted per megagram of fabric processed to show that the monthly average HAP emissions do not exceed the HAP emission limit in Table 2 of this subpart, option 1. Equation 2 follows:

$$E_{month} = \frac{\sum_{i=1}^{n}(HAP_i)(TCOAT_i) + \sum_{j=1}^{m}(HAP_j)(TCOAT_j)\left(1 - \frac{EFF}{100}\right) + \sum_{k=1}^{p}(HAP_k)(TCOAT_k)}{TFAB} \quad \text{(Eq. 2)}$$

Where:

E_{month}=mass of all HAP emitted per total mass of fabric processed in the month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of all HAP in coating i, prior to curing and including any application stations dilution, determined in accordance with paragraph (a) of this section, for coatings used in the month in processes that are not routed to a control device.

$TCOAT_i$=total mass of coating i made and used for application to fabric at the facility in the month in processes that are not routed to a control device, grams.

n=number of coatings used in the month in processes that are not routed to a control device.

HAP_j=mass percent, expressed as a decimal, of all HAP in coating j, prior to curing and including any application station dilution, determined in accordance with paragraph (a) of this section, for coatings used in the month in processes that are routed to a control device during operating days, which are defined as days when the control system is operating within the operating range established during the performance test and when monitoring data are collected.

$TCOAT_j$=total mass of coating j made and used for application to fabric at the facility in the month in processes that are routed to a control device during all operating days, grams.

EFF=efficiency of the control system determined during the performance test (capture system efficiency multiplied by the control device efficiency), percent.

m=number of coatings used in the month that are routed to a control device during all operating days.

HAP_k=mass percent, expressed as a decimal, of all HAP in coating k, prior to curing and including any application station dilution, for coatings used in the month in processes that are routed to a control device during non-control operating days, which are defined as days when either the control system is not operating within the operating range established during the performance test or when monitoring data are not collected.

$TCOAT_k$=total mass of coating k made and used for application to fabric at the facility in the month in processes that are routed to a control device during all non-control operating days, grams.

p=number of coatings used in the month that are routed to a control device during all non-control operating days.

TFAB=total mass of fabric processed in the month, megagrams.

(4) Each monthly calculation is a compliance demonstration for the purpose of this subpart.

(c) *Methods to determine compliance with the emission limits in table 2 of this subpart, option 2.* Use the equations in this paragraph (c) to demonstrate initial and continuous compliance with the

emission limits for tire cord production sources using the compliance alternatives described in §63.5987(a) and (b).

(1) Determine the mass percent of each HAP in each coating according to the procedures in paragraph (a) of this section.

(2) Use Equation 3 of this section to calculate the monthly average HAP emission rate when complying by using coatings without using an add-on control device to show that the monthly average HAP emissions do not exceed the emission limits in Table 2 to this subpart, option 2. Equation 3 follows:

$$E_{month} = \frac{\left(\sum_{i=1}^{n}(HAP_i)(TCOAT_i)\right)(10^6)}{\sum_{i=1}^{n} TCOAT_i} \qquad \text{(Eq. 3)}$$

Where:

E_{month}=mass of the specific HAP emitted per total mass of coatings from all coatings made and used in tire cord fabric production per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of the specific HAP in the coating i, prior to curing and including any application station dilution, determined in accordance with paragraph (a) of this section.

$TCOAT_i$=total mass of coating i made and used for application to fabric at the facility in the month, grams.

n=number of coatings used in the month.

(3) Use Equation 4 of this section to calculate the monthly average HAP emission rate when complying by using an add-on control device to show that the monthly average HAP emissions do not exceed the emission limits in table 2 to this subpart, option 2. Equation 4 follows:

$$E_{month} = \frac{\left\{\sum_{i=1}^{n}(HAP_i)(TCOAT_i) + \sum_{j=l}^{m}(HAP_j)(TCOAT_j)\left(1-\frac{EFF}{100}\right) + \sum_{k=1}^{p}(HAP_k)(TMASS_k)\right\}(10^6)}{\sum_{i=1}^{n} TCOAT_i + \sum_{j=1}^{m} TCOAT_j + \sum_{k=1}^{p} TCOAT_k} \qquad \text{(Eq. 4)}$$

Where:

E_{month}=mass of the specific HAP emitted per total mass of coatings from all coatings made and used in tire cord fabric production per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of the specific HAP in coating i, prior to curing and including any application station dilution, determined in accordance with paragraph (a) of this section, for coatings used in the month in processes that are not routed to a control device.

$TCOAT_i$=total mass of coating i made and used for application to fabric at the facility in the month in processes that are not routed to a control device, grams.

n=number of coatings used in the month in processes that are not routed to a control device.

HAP_j=mass percent, expressed as a decimal, of the specific HAP in coating j, prior to curing and including any application station dilution, determined in accordance with paragraph (a) of this section, for coatings used in the month in processes that are routed to a control device during operating days, which are defined as days when the control system is operating within the operating range established during the performance test and when monitoring data are collected.

$TCOAT_j$=total mass of coating i made and used for application to fabric at the facility in the month in processes that are routed to a control device during all operating days, grams.

EFF=efficiency of the control system determined during the performance test (capture system efficiency multiplied by the control device efficiency), percent.

m=number of coatings used in the month that are routed to a control device during all operating days.

HAP_k=mass percent, expressed as a decimal, of the specific HAP in coating k, prior to curing and including any application station dilution, for coatings used in the month in processes that are routed to a control device during non-control operating days, which are defined as days when either the control system is not operating within the operating range established during the performance test or when monitoring data are not collected.

$TCOAT_k$=total mass of coating i made and used for application to fabric at the facility in the month in processes that are routed to a control device during all non-control operating days, grams.

p = number of coatings used in the month that are routed to a control device during all non-control operating days.

(4) Each monthly calculation is a compliance demonstration for the purpose of this subpart.

(d) *Specific compliance demonstration requirements for tire cord production affected sources.* (1) Conduct any required compliance demonstrations according to the requirements in §63.5993.

(2) Conduct the compliance demonstration using coatings with average mass percent HAP content that are representative of the coatings typically used at your tire cord production affected source.

(3) Establish an operating range that corresponds to the control efficiency as described in Table 5 to this subpart.

(e) *How to take credit for HAP emissions reductions from add-on control devices.* If you want to take credit in Equations 2 and 4 of this section for HAP emissions reduced using a control system, you must meet the requirements in paragraphs (e)(1) and (2) of this section.

(1) Monitor the established operating parameters as appropriate.

(i) If you use a thermal oxidizer, continuously monitor the firebox secondary chamber temperature.

(ii) If you use a carbon adsorber, monitor the total regeneration stream mass or volumetric flow for each regeneration cycle and the carbon bed temperature after each regeneration and within 15 minutes of completing any cooling cycle.

(iii) If you use a control device other than a thermal oxidizer or a regenerative carbon adsorber, install and operate a continuous parameter monitoring system according to your site-specific performance test plan submitted according to §63.7(c)(2)(i).

(iv) If you use a permanent total enclosure, monitor the face velocity across the NDO in the enclosure. Also, if you use an enclosure, monitor to ensure that the sizes of the NDO have not changed, that there are no new NDO, and that a HAP emission source has not been moved closer to an NDO since the last performance test was conducted.

(v) If you use other capture systems, monitor the parameters identified in your monitoring plan.

(2) Maintain the operating parameter within the operating range established during the compliance demonstration.

(f) *How to take credit for HAP emissions reductions when streams are combined.* When performing material balances to demonstrate compliance, if the storage of materials, exhaust, or the wastewater from more than one affected source are combined at the point where control systems are applied, any credit for emissions reductions needs to be prorated among the affected sources based on the ratio of their contribution to the uncontrolled emissions.

§ 63.5998 What are my monitoring installation, operation, and maintenance requirements?

For each operating parameter that you are required by §63.5997(e)(1) to monitor, you must install, operate, and maintain a continuous parameter monitoring system according to the provisions in §63.5995(a) through (e).

§ 63.5999 How do I demonstrate initial compliance with the emission limits for tire cord production affected sources?

(a) You must demonstrate initial compliance with each emission limit that applies to you according to Table 7 to this subpart.

(b) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.6009(e).

Testing and Initial Compliance Requirements for Puncture Sealant Application Affected Sources

§ 63.6000 How do I conduct tests and procedures for puncture sealant application affected sources?

(a) *Methods to determine compliance with the puncture sealant application emission limitations in Table 3 to this subpart.* Use the methods and equations in paragraph (b) of this section to demonstrate initial and continuous compliance with the overall control efficiency compliance alternatives described in §63.5989(a) and (b). Use the methods and equations in paragraphs (c) through (g) of this section to demonstrate initial and continuous compliance with the HAP constituent compliance alternative described in §63.5989(c) and (d).

(b) *Methods to determine compliance with the emission limits in Table 3 to this subpart, option 1.* Follow the test procedures described in §63.5993 to determine the overall control efficiency of your system.

(1) You must also meet the requirements in paragraphs (b)(1)(i) and (ii) of this section.

(i) Conduct the performance test using a puncture sealant with an average mass percent HAP content that is representative of the puncture sealants typically used at your puncture sealant application affected source.

(ii) Establish all applicable operating limit ranges that correspond to the control system efficiency as described in Table 5 to this subpart.

(2) Use Equation 1 of this section to calculate the overall efficiency of the control system. If you have a permanent total enclosure that satisfies EPA Method 204 (found in 40 CFR part 51, appendix M) criteria, assume 100 percent capture efficiency for variable F. Equation 1 follows:

$$R = \frac{(F)(E)}{100} \qquad \text{(Eq. 1)}$$

Where:

R=overall control system efficiency, percent.

F=capture efficiency of the capture system on add-on control device, percent, determined during the performance test.

E=control efficiency of add-on control device k, percent, determined during the performance test.

(3) Monitor the established operating limits as appropriate.

(i) If you use a thermal oxidizer, monitor the firebox secondary chamber temperature.

(ii) If you use a carbon adsorber, monitor the total regeneration stream mass or volumetric flow for each regeneration cycle, and the carbon bed temperature after each regeneration, and within 15 minutes of completing any cooling cycle.

(iii) For each control device used other than a thermal oxidizer or a regenerative carbon adsorber, install and operate a continuous parameter monitoring system according to your site-specific performance test plan submitted according to §63.7(c)(2)(i).

(iv) If you use a permanent total enclosure, monitor the face velocity across the NDO in the enclosure. Also, if you use an enclosure, monitor to ensure that the sizes of the NDO have not changed, that there are no new NDO, and that a HAP emission source has not been moved closer to an NDO since the last performance test was conducted.

(v) If you use other capture systems, monitor the parameters identified in your monitoring plan.

(vi) Maintain the operating parameter within the operating range established during the performance test.

(c) *Methods to determine the mass percent of each HAP in puncture sealants.* To determine the HAP content in the puncture sealant used at your puncture sealant application affected source, use EPA Method 311 of appendix A of 40 CFR part 63, an approved alternative method, or any other reasonable means for determining the HAP content of your puncture sealants. Other reasonable means include, but are not limited to: an MSDS, provided it contains appropriate information; a CPDS; or a manufacturer's hazardous air pollutant data sheet. You are not required to test the materials that you use, but the Administrator may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. If the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.

(d) *Methods to determine compliance with the emission limits in Table 3 to this subpart, option 2.* Use the equations in this paragraph (d) to demonstrate initial and continuous compliance with the HAP constituent emission limits for puncture sealant application affected sources using the compliance alternatives described in §63.5989(c) and (d).

(1) Use Equation 2 of this section to calculate the monthly average HAP emission rate when complying by using puncture sealants without using an add-on control device to show that the monthly average HAP emissions do not exceed the emission limits in Table 3 to this subpart, option 2. Equation 2 follows:

$$E_{month} = \frac{\left(\sum_{i=1}^{n}(HAP_i)(TPSEAL_i)\right)(10^6)}{\sum_{i=1}^{n} TPSEAL_i} \qquad \text{(Eq. 2)}$$

Where:

E_{month}=mass of the specific HAP emitted per total mass of puncture sealants from all puncture sealants used at the puncture sealant affected source per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of the specific HAP in puncture sealant i, including any application booth dilution, determined in accordance with paragraph (c) of this section.

$TPSEAL_i$=total mass of puncture sealant i used in the month, grams.

n=number of puncture sealants used in the month.

(2) Use Equation 3 of this section to calculate the monthly average HAP emission rate when complying by using puncture sealants by using an add-on control device to show that the monthly average HAP emissions do not exceed the emission limits in Table 3 to this subpart, option 2. Equation 3 follows:

$$E_{month} = \frac{\left\{\sum_{i=1}^{n}(HAP_i)(TPSEAL_i) + \sum_{j=1}^{m}(HAP_j)(TPSEAL_j)\left(1-\frac{EFF}{100}\right) + \sum_{k=1}^{p}(HAP_k)(TPSEAL_k)\right\}(10^6)}{\sum_{i=1}^{n} TPSEAL_i + \sum_{j=1}^{m} TPSEAL_j + \sum_{k=1}^{p} TPSEAL_k} \qquad \text{(Eq. 3)}$$

Where:

E_{month}=mass of the specific HAP emitted per total mass of puncture sealants used at the puncture sealant affected source per month, grams per megagram.

HAP_i=mass percent, expressed as a decimal, of the specific HAP in puncture sealant i, including any application booth dilution, determined in accordance with paragraph (c) of this section for puncture sealants used in the month in processes that are not routed to a control device.

$TPSEAL_i$=total mass of puncture sealant i used in the month in processes that are not routed to a control device, gram.

n=number of puncture sealants used in the month in processes that are not routed to a control device.

HAP_j=mass percent, expressed as a decimal, of the specific HAP, in puncture sealant j, including any application booth dilution, determined in accordance with paragraph (c) of this section, for puncture sealants used in the month in processes that are routed to a control device during operating days, which are defined as days when the control system is operating within the operating range established during the performance test and when monitoring data are collected.

$TPSEAL_j$=total mass of puncture sealant j used in the month in processes that are routed to a control device during all operating days, grams.

EFF=efficiency of the control system determined during the performance test (capture system efficiency multiplied by the control device efficiency), percent.

m=number of puncture sealants used in the month that are routed to a control device during all operating days.

HAP_k=mass percent, expressed as a decimal, of the specific HAP, in puncture sealant k, including any application booth dilution, for puncture sealants used in the month in processes that are routed to a control device during non-control operating days, which are defined as days when either the control system is not operating within the operating range established during the performance test or when monitoring data are not collected.

$TPSEAL_k$=total mass of total mass of puncture sealant k used in the month in processes that are routed to a control device during all non-control operating days, grams.

p=number of puncture sealants used in the month that are routed to a control device during all non-control operating days.

(3) Each monthly calculation is a compliance demonstration for the purpose of this subpart.

(e) *Specific compliance demonstration requirements for puncture sealant application affected sources.* (1) Conduct any required compliance demonstrations according to the requirements in §63.5993.

(2) Conduct the compliance demonstration using a puncture sealant with average mass percent HAP content that is representative of the puncture sealants typically used at your puncture sealant application affected source.

(3) Establish an operating range that corresponds to the appropriate control efficiency described in Table 5 to this subpart.

(f) *How to take credit for HAP emissions reductions from add-on control devices.* If you want to take credit in Equation 3 of this section for HAP emissions reduced using a control system, you must monitor the established operating parameters as appropriate and meet the requirements in paragraph (b)(3) of this section.

(g) *How to take credit for HAP emissions reductions when streams are combined.* When performing material balances to demonstrate compliance, if the storage of materials, exhaust, or the wastewater from more than one affected source are combined at the point where control systems are applied, any credit for emissions reductions needs to be prorated among the affected sources based on the ratio of their contribution to the uncontrolled emissions.

§ 63.6001 What are my monitoring installation, operation, and maintenance requirements?

For each operating limit that you are required by §63.6000(b)(3) to monitor or each operating parameter that you are required by §63.6000(f) to monitor, you must install, operate, and maintain a continuous parameter monitoring system according to the provisions in §63.5995(a) through (e).

§ 63.6002 How do I demonstrate initial compliance with the emission limits for puncture sealant application affected sources?

(a) You must demonstrate initial compliance with each emission limit that applies to you according to Table 8 to this subpart.

(b) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.6009(e).

Continuous Compliance Requirements for Tire Production Affected Sources

§ 63.6003 How do I monitor and collect data to demonstrate continuous compliance with the emission limits for tire production affected sources?

(a) You must monitor and collect data as specified in Table 9 to this subpart.

(b) Except for periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must monitor continuously (or collect data at all required intervals) while the affected source is operating. This includes periods of startup, shutdown, and malfunction when the affected source is operating.

(c) In data average calculations and calculations used to report emission or operating levels, you may not use data recorded during periods of monitoring malfunctions or associated repairs, or recorded during required quality assurance or control activities. Such data may not be used in fulfilling any applicable minimum data availability requirement. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

§ 63.6004 How do I demonstrate continuous compliance with the emission limits for tire production affected sources?

(a) You must demonstrate continuous compliance with each applicable limit in Table 1 to this subpart using the methods specified in Table 10 to this subpart.

(b) You must report each instance in which you did not meet an emission limit in Table 1 to this subpart. You must also report each instance in which you did not meet the applicable requirements in Table 10 to this subpart. These instances are deviations from the emission limits in this subpart. The deviations must be reported in accordance with the requirements in §63.6010(e).

(c) You also must meet the following requirements if you are complying with the purchase alternative for tire production sources described in §63.5985(a):

(1) If, after you submit the Notification of Compliance Status, you use a cement or solvent for which you have not previously verified percent HAP mass using the methods in §63.5994(a), you must verify that each cement and solvent used in the affected source meets the emission limit, using any of the methods in §63.5994(a).

(2) You must update the list of all the cements and solvents used at the affected source.

(3) With the compliance report for the reporting period during which you used the new cement or solvent, you must submit the updated list of all cements and solvents and a statement certifying that, as purchased, each cement and solvent used at the affected source during the reporting period met the emission limits in table 1 to this subpart.

Continuous Compliance Requirements for Tire Cord Production Affected Sources

§ 63.6005 How do I monitor and collect data to demonstrate continuous compliance with the emission limits for tire cord production affected sources?

(a) You must monitor and collect data to demonstrate continuous compliance with the emission limits for tire cord production affected sources as specified in table 11 to this subpart.

(b) You must monitor and collect data according to the requirements in §63.6003(b) and (c).

§ 63.6006 How do I demonstrate continuous compliance with the emission limits for tire cord production affected sources?

(a) You must demonstrate continuous compliance with each applicable emission limit in table 2 to this subpart using the methods specified in table 12 to this subpart.

(b) You must report each instance in which you did not meet an applicable emission limit in table 2 to this subpart. You must also report each instance in which you did not meet the applicable requirements in table 12 to this subpart. These instances are deviations from the emission limits in this subpart. The deviations must be reported in accordance with the requirements in §63.6010(e).

Continuous Compliance Requirements for Puncture Sealant Application Affected Sources

§ 63.6007 How do I monitor and collect data to demonstrate continuous compliance with the emission limitations for puncture sealant application affected sources?

(a) You must monitor and collect data to demonstrate continuous compliance with the emission limitations for puncture sealant application affected sources as specified in table 13 to this subpart.

(b) You must monitor and collect data according to the requirements in §63.6003(b) and (c).

§ 63.6008 How do I demonstrate continuous compliance with the emission limitations for puncture sealant application affected sources?

(a) You must demonstrate continuous compliance with each applicable emission limitation in tables 3 and 4 to this subpart using the methods specified in Table 14 to this subpart.

(b) You must report each instance in which you did not meet an applicable emission limit in table 3 to this subpart. You must also report each instance in which you did not meet the applicable requirements in table 14 to this subpart. These instances are deviations from the emission limits in this subpart. The deviations must be reported in accordance with the requirements in §63.6010(e).

Notifications, Reports, and Records

§ 63.6009 What notifications must I submit and when?

(a) You must submit all of the notifications in §§63.7 (b) and (c), 63.8(f) (4) and (6), and 63.9 (b) through (e) and (h) that apply to you by the dates specified.

(b) As specified in §63.9(b)(2), if you startup your affected source before July 9, 2002, you must submit an Initial Notification not later than November 6, 2002.

(c) As specified in §63.9(b)(3), if you startup your new or reconstructed affected source on or after July 9, 2002, you must submit an Initial Notification not later than 120 calendar days after you become subject to this subpart.

(d) If you are required to conduct a performance test, you must submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).

(e) If you are required to conduct a performance test, design evaluation, or other initial compliance demonstration as specified in tables 5 through 8 to this subpart, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). The Notification must contain the information listed in table 15 to this subpart for compliance reports. The Notification of Compliance Status must be submitted according to the following schedules, as appropriate:

(1) For each initial compliance demonstration required in tables 6 through 8 to this subpart that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th calendar day following the completion of the initial compliance demonstration.

(2) For each initial compliance demonstration required in tables 6 through 8 to this subpart that includes a performance test conducted according to the requirements in table 5 to this subpart, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th calendar day following the completion of the performance test according to §63.10(d)(2).

(f) For each tire production affected source, the Notification of Compliance Status must also identify the emission limit option in §63.5984 and the compliance alternative in §63.5985 that you have chosen to meet.

(g) For each tire production affected source complying with the purchase compliance alternative in §63.5985(a), the Notification of Compliance Status must also include the information listed in paragraphs (g)(1) and (2) of this section.

(1) A list of each cement and solvent, as purchased, that is used at the affected source and the manufacturer or supplier of each.

(2) The individual HAP content (percent by mass) of each cement and solvent that is used.

(h) For each tire production or tire cord production affected source using a control device, the Notification of Compliance Status must also include the information in paragraphs (h) (1) and (2) of this section for each operating parameter in §§63.5994(e)(1) and 63.5997(e)(1) that applies to you.

(1) The operating parameter value averaged over the full period of the performance test (e.g., average secondary chamber firebox temperature over the period of the performance test was 1,500 degrees Fahrenheit).

(2) The operating parameter range within which HAP emissions are reduced to the level corresponding to meeting the applicable emission limits in tables 1 and 2 to this subpart.

(i) For each puncture sealant application affected source using a control device, the Notification of Compliance Status must include the information in paragraphs (i)(1) and (2) of this section for each operating limit in §63.6000(b)(3) and each operating parameter in §63.6000(f).

(1) The operating limit or operating parameter value averaged over the full period of the performance test.

(2) The operating limit or operating parameter range within which HAP emissions are reduced to the levels corresponding to meeting the applicable emission limitations in table 3 to this subpart.

(j) For each tire cord production affected source required to assess the predominant use for coating web substrates as required by §63.5981(b), you must submit a notice of the results of the reassessment within 30 days of completing the reassessment. The notice shall specify whether this subpart XXXX is still the applicable subpart and, if it is not, which part 63 subpart is applicable.

§ 63.6010 What reports must I submit and when?

(a) You must submit each applicable report in table 15 to this subpart.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in table 15 to this subpart and according to the requirements in paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in §63.5983 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.5983.

(2) The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in §63.5983.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting subparts pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) The compliance report must contain information specified in paragraphs (c)(1) through (10) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).

(5) If there are no deviations from any emission limitations (emission limit or operating limit) that applies to you, a statement that there were no deviations from the emission limitations during the reporting period.

(6) If there were no periods during which the operating parameter monitoring systems were out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the operating parameter monitoring systems or CPMS were out-of-control during the reporting period.

(7) For each tire production affected source, the emission limit option in §63.5984 and the compliance alternative in §63.5985 that you have chosen to meet.

(8) For each tire production affected source complying with the purchase compliance alternative in §63.5985(a), and for each annual reporting period during which you use a cement and solvent that, as purchased, was not included in the list submitted with the Notification of Compliance Status in §63.6009(g), an updated list of all cements and solvents used, as purchased, at the affected source. You must also include a statement certifying that each cement and solvent, as purchased, that was used at the affected source during the reporting period met the HAP constituent limits (option 1) in table 1 to this subpart.

(9) For each tire cord production affected source, the emission limit option in §63.5986 and the compliance alternative in §63.5987 that you have chosen to meet.

(10) For each puncture sealant application affected source, the emission limit option in §63.5988 and the compliance alternative in §63.5989 that you have chosen to meet.

(d) For each deviation from an emission limitation (emission limit or operating limit) that occurs at an affected source where you are not using a CPMS to comply with the emission limitations in this subpart, the compliance report must contain the information in paragraphs (c)(1) through (4) and paragraphs (d)(1) and (2) of this section. This includes periods of startup, shutdown, and malfunction when the affected source is operating.

(1) The total operating time of each affected source during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable) and the corrective action taken.

(e) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report (pursuant to Table 10 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A) which includes all required information concerning deviations from any emission limitation (including any operating limit) or work practice requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(f) Upon notification to the Administrator that a tire production affected source has eliminated or reformulated cement and solvent so that the source can demonstrate compliance using the purchase alternative in §63.5985(a), future compliance reports for this affected source may be submitted annually.

(g) If acceptable to both the Administrator and you, you may submit reports and notifications electronically.

§ 63.6011 What records must I keep?

(a) You must keep the records specified in paragraphs (a)(1) through (3) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance tests as required in §63.10(b)(2)(viii).

(3) The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(b) For each tire production affected source, you must keep the records specified in Table 9 to this subpart to show continuous compliance with each emission limit that applies to you.

(c) For each tire cord production affected source, you must keep the records specified in Table 11 to this subpart to show continuous compliance with each emission limit that applies to you.

(d) For each puncture sealant application affected source, you must keep the records specified in Table 13 to this subpart to show continuous compliance with each emission limit that applies to you.

§ 63.6012 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.

Other Requirements and Information

§ 63.6013 What parts of the General Provisions apply to me?

Table 17 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

§ 63.6014 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by us, the United States Environmental Protection Agency, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA has delegated authority to your State, local, or tribal agency, then that agency, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that cannot be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section.

(1) Approval of alternatives to the requirements in §§63.5981 through 63.5984, 63.5986, and 63.5988.

(2) Approval of major changes to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.

(3) Approval of major changes to monitoring under §63.8(f) and as defined in §63.90.

(4) Approval of major changes to recordkeeping and reporting under §63.10(f) and as defined in §63.90.

§ 63.6015 What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act and in §63.2, the General Provisions. The following are additional definitions of terms used in this subpart:

As purchased means the condition of a cement and solvent as delivered to the facility, prior to any mixing, blending, or dilution.

Capture system means a hood, enclosed room, or other means of collecting organic HAP emissions into a closed-vent system that conveys these emissions to a control device.

Cements and solvents means the collection of all organic chemicals, mixtures of chemicals, and compounds used in the production of rubber tires, including cements, solvents, and mixtures used as process aids. Cements and solvents include, but are not limited to, tread end cements, undertread cements, bead cements, tire building cements and solvents, green tire spray, blemish repair paints, side wall protective paints, marking inks, materials used to clean process equipment, and slab dip mixtures. Cements and solvents do not include coatings or process aids used in tire cord production, puncture sealant application, rubber processing, or materials used to construct, repair, or maintain process equipment, or chemicals and compounds that are not used in the tire production process such as materials used in routine janitorial or facility grounds maintenance, office supplies (*e.g.,* dry-erase markers, correction fluid), architectural paint, or any substance to the extent it is used for personal, family, or household purposes, or is present in the same form and concentration as a product packaged for distribution to and use by the general public.

Coating means a compound or mixture of compounds that is applied to a fabric substrate in the tire cord production operation that allows the fabric to be prepared (*e.g.,* by heating, setting, curing) for incorporation into a rubber tire.

Components of rubber tires means any piece or part used in the manufacture of rubber tires that becomes an integral portion of the rubber tire when manufacture is complete and includes mixed rubber compounds, sidewalls, tread, tire beads, and liners. Other components often associated with rubber tires such as wheels, valve stems, tire bladders and inner tubes are not considered components of rubber tires for the purposes of these standards. Tire cord and puncture sealant, although components of rubber tires, are considered as separate affected sources in these standards and are defined separately.

Control device means a combustion device, recovery device, recapture device, or any combination of these devices used for recovering or oxidizing organic hazardous air pollutant vapors. Such equipment includes, but is not limited to, absorbers, carbon adsorbers, condensers, incinerators (oxidizers), flares, boilers, and process heaters.

Control system efficiency means the percent of total volatile organic compound emissions, as measured by EPA Method 25 or 25A (40 CFR part 60, appendix A), recovered or destroyed by a control device multiplied by the percent of total volatile organic compound emissions, as measured by Method 25 or 25A, that are captured and conveyed to the control device.

Deviation means any instance in which an affected source, subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart including, but not limited to, any emission limitation (including any operating limit) or work practice standard;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limitation (including any operating limit) or work practice standard in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

Emission limitation means any emission limit, opacity limit, operating limit, or visible emission limit.

Fabric processed means the amount of fabric coated and finished for use in subsequent product manufacturing.

Mixed rubber compound means the material, commonly referred to as rubber, from which rubber tires and components of rubber tires are manufactured. For the purposes of this definition, mixed rubber compound refers to the compound that leaves the rubber mixing process (*e.g.,* banburys) and is then processed into components from which rubber tires are manufactured.

Monthly operating period means the period in the Notification of Compliance Status report comprised of the number of operating days in the month.

Operating day means the period defined in the Notification of Compliance Status report. It may be from midnight to midnight or a portion of a 24-hour period.

Process aid means a solvent, mixture, or cement used to facilitate or assist in tire component identification; component storage; tire building; tire curing; and tire repair, finishing, and identification.

Puncture sealant means a mixture that may include, but is not limited to, solvent constituents, mixed rubber compound, and process oil that is applied to the inner liner of a finished tire for the purpose of sealing any future hole which might occur in the tread when an object penetrates the tire.

Responsible official means responsible official as defined in 40 CFR 70.2.

Rubber means the sum of the materials (for example, natural rubber, synthetic rubber, carbon black, oils, sulfur) that are combined in specific formulations for the sole purpose of making rubber tires or components of rubber tires.

Rubber mixing means the physical process of combining materials for use in rubber tire manufacturing to make mixed rubber compound using the collection of banburys and associated drop mills.

Rubber tire means a continuous solid or pneumatic cushion typically encircling a wheel and usually consisting, when pneumatic, of an external rubber covering.

Rubber used means the total mass of mixed rubber compound delivered to the tire production operations in a tire manufacturing facility (*e.g.,* the collection of warm-up mills, extruders, calendars, tire building, or other tire component and tire manufacturing equipment).

Tire cord means any fabric (*e.g.,* polyester, cotton) that is treated with a coating mixture that allows the fabric to more readily accept impregnation with rubber to become an integral part of a rubber tire.

[67 FR 45598, July 9, 2002, as amended at 68 FR 11747, Mar. 12, 2003]

Table 1 to Subpart XXXX of Part 63—Emission Limits for Tire Production Affected Sources

As stated in §63.5984, you must comply with the emission limits for each new, reconstructed, or existing tire production affected source in the following table:

For each . . .	You must meet the following emission limits.
1. Option 1—HAP constituent option	a. Emissions of each HAP in Table 16 to this subpart must not exceed 1,000 grams HAP per megagram (2 pounds per ton) of total cements and solvents used at the tire production affected source, and b. Emissions of each HAP not in Table 16 to this subpart must not exceed 10,000 grams HAP per megagram (20 pounds per ton) of total cements and solvents used at the tire production affected source.
2. Option 2—production-based option	Emissions of HAP must not exceed 0.024 grams per megagram (0.00005 pounds per ton) of rubber used at the tire production affected source.

Table 2 to Subpart XXXX of Part 63—Emission Limits for Tire Cord Production Affected Sources

As stated in §63.5986, you must comply with the emission limits for tire cord production affected sources in the following table:

For each . . .	You must meet the following emission limits.
1. Option 1.a (production-based option)—Existing tire cord production affected source	Emissions must not exceed 280 grams HAP per megagram (0.56 pounds per ton) of fabric processed at the tire cord production affected source.
2. Option 1.b (production-based option)—New or reconstructed tire cord production affected source	Emissions must not exceed 220 grams HAP per megagram (0.43 pounds per ton) of fabric processed at the tire cord production affected source.
3. Option 2 (HAP constituent option)—Existing, new or reconstructed tire cord production affected source	a. Emissions of each HAP in Table 16 to this subpart must not exceed 1,000 grams HAP per megagram (2 pounds per ton) of total coatings used at the tire cord production affected source, and b. Emissions of each HAP not in Table 16 to this subpart must not exceed 10,000 grams HAP per megagram (20 pounds per ton) of total coatings used at the tire cord production affected source.

Table 3 to Subpart XXXX of Part 63—Emission Limits for Puncture Sealant Application Affected Sources

As stated in §63.5988(a), you must comply with the emission limits for puncture sealant application affected sources in the following table:

For each . . .	You must meet the following emission limit.
1. Option 1.a (percent reduction option)—Existing puncture sealant application spray booth	Reduce spray booth HAP (measured as volatile organic compounds (VOC)) emissions by at least 86 percent by weight.
2. Option 1.b (percent reduction option)—New or reconstructed puncture sealant application spray booth	Reduce spray booth HAP (measured as VOC) emissions by at least 95 percent by weight.
3. Option 2 (HAP constituent option) Existing, new or reconstructed puncture sealant application spray booth	a. Emissions of each HAP in Table 16 to this subpart must not exceed 1,000 grams HAP per megagram (2 pounds per ton) of total puncture sealants used at the puncture sealant affected source, and b. Emissions of each HAP not in Table 16 to this subpart must not exceed 10,000 grams HAP per megagram (20 pounds per ton) of total puncture sealants used at the puncture sealant affected source.

Table 4 to Subpart XXXX of Part 63—Operating Limits for Puncture Sealant Application Control Devices

As stated in §63.5988(b), you must comply with the operating limits for puncture sealant application affected sources in the following table unless you are meeting Option 2 (HAP constituent option) limits in Table 3 to this subpart:

For each . . .	You must . . .
1. Thermal oxidizer to which puncture sealant application spray booth emissions are ducted	Maintain the daily average firebox secondary chamber temperature within the operating range established during the performance test.
2. Carbon adsorber (regenerative) to which puncture sealant application spray booth emissions are ducted	a. Maintain the total regeneration mass, volumetric flow, and carbon bed temperature at the operating range established during the performance test. b. Reestablish the carbon bed temperature to the levels established during the performance test within 15 minutes of each cooling cycle.
3. Other type of control device to which puncture sealant application spray booth emissions are ducted	Maintain your operating parameter(s) within the range(s) established during the performance test and according to your monitoring plan.
4. Permanent total enclosure capture system	a. Maintain the face velocity across any NDO at least at the levels established during the performance test. b. Maintain the size of NDO, the number of NDO, and their proximity to HAP emission sources consistent with the parameters established during the performance test.

5. Other capture system	Maintain the operating parameters within the range(s) established during the performance test and according to your monitoring plan.

Table 5 to Subpart XXXX of Part 63—Requirements for Performance Tests

As stated in §63.5993, you must comply with the requirements for performance tests in the following table:

Ifyouareusing . . .	**You must . . .**	**Using . . .**	**According to the following requirements . . .**
1. A thermal oxidizer	a. Measure total HAP emissions, determine destruction efficiency of the control device, and establish a site-specific firebox secondary chamber temperature limit at which the emission limit that applies to the affected source is achieved	i. Method 25 or 25A performance test and data from the temperature monitoring system	(1). Measure total HAP emissions and determine the destruction efficiency of the control device using Method 25 (40 CFR part 60, appendix A). You may use Method 25A (40 CFR part 60, appendix A) if: an exhaust gas volatile organic matter concentration of 50 parts per million (ppmv) or less is required to comply with the standard; the volatile organic matter concentration at the inlet to the control system and the required level of control are such that exhaust volatile organic matter concentrations are 50 ppmv or less; or because of the high efficiency of the control device exhaust, is 50 ppmv or less, regardless of the inlet concentration. (2). Collect firebox secondary chamber temperature data every 15 minutes during the entire period of the initial 3-hour performance test, and determine the average firebox temperature over the 3-hour performance test by computing the average of all of the 15-minute reading.
2. A carbon adsorber (regenerative)	a. Measure total organic HAP emissions, establish the total regeneration mass or volumetric flow, and establish the temperature of the carbon bed within 15 minutes of completing any cooling cycles. The total regeneration mass, volumetric flow, and carbon bed temperature must	i. Method 25 or Method 25A performance test and data from the carbon bed temperature monitoring device	(1). Measure total HAP emissions using Method 25. You may use Method 25A, if an exhaust gas volatile organic matter concentration of 50 ppmv or less; or because of the high efficiency of the control device, exhaust is 50 ppmv or less is required to comply with the standard; the volatile

	be those at which the emission limit that applies to the affected source is achieved		organic matter concentration (VOMC) at the inlet to the control system and the required level of control are such that exhaust VOMCs are 50 ppmv or less; or because of the high efficiency of the control device, exhaust is 50 ppmv or less, regardless of the inlet concentration. (2). Collect carbon bed total regeneration mass or volumetric flow for each carbon bed regeneration cycle during the performance test. (3). Record the maximum carbon bed temperature data for each carbon bed regeneration cycle during the performance test. (4). Record the carbon bed temperature within 15 minutes of each cooling cycle during the performance test. (5). Determine the average total regeneration mass or the volumetric flow over the 3-hour performance test by computing the average of all of the readings. (6). Determine the average maximum carbon bed temperature over the 3-hour performance test by computing the average of all of the readings. (7). Determine the average carbon bed temperature within 15 minutes of the cooling cycle over the 3-hour performance test.
3. Any control device other than a thermal oxidizer or carbon adsorber	Determine control device efficiency and establish operating parameter limits with which you will demonstrate continuous compliance with the emission limit that applies to the affected source	EPA-approved methods and data from the continuous parameter monitoring system	Conduct the performance test according to the site-specific plan submitted according to §63.7(c)(2)(i).
4. All control devices	a. Select sampling ports' location and the number of traverse ports	Method 1 or 1A of 40 CFR part 60, appendix A	Locate sampling sites at the inlet and outlet of the control device and prior to any releases to the atmosphere.
	b. Determine velocity and	Method 2, 2A,	

	volumetric flow rate	2C, 2D, 2F, or 2G of 40 CFR part 60, appendix A	
	c. Conduct gas analysis	Method 3, 3A, or 3B of 40 CFR part 60 appendix A	
	d. Measure moisture content of the stack gas	Method 4 of 40 CFR part 60, appendix A	
5. A permenent total enclosure (PTE)	Measure the face velocity across natural draft openings and document the design features of the enclosure	Method 204 of CFR part 51, appendix M	Capture efficiency is assumed to be 100 percent if the criteria are met
6. Temporary total enclosure (TTE)	Construct a temporarily installed enclosure that allows you to determine the efficiency of your capture system and establish operating parameter limits	Method 204 and the appropriate combination of Methods 204A–204F of 40 CFR part 51, appendix M	

Table 6 to Subpart XXXX of Part 63—Initial Compliance With the Emission Limits for Tire Production Affected Sources

As stated in §63.5996, you must show initial compliance with the emission limits for tire production affected sources according to the following table:

For . . .	For the following emission limit . . .	You have demonstrated initial compliance if . . .
1. Sources complying with the purchase compliance alternative in §63.5985(a)	The HAP constituent option in Table 1 to this subpart, option 1	You demonstrate for each monthly period that no cements and solvents were purchased and used at the affected source containing HAP in amounts above the composition limits in Table 1 to this subpart, option 1, determined according to the procedures in §63.5994(a) and (b)(1).
2. Sources complying with the monthly average compliance alternative without using a control device in §63.5985(b)	The HAP constituent option in Table 1 to this subpart, option 1	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 1, determined according to the applicable procedures in §63.5994(a) and (b)(2).
3. Sources complying with the monthly average compliance alternative using a control device in §63.5985(c)	The HAP constituent option in Table 1 to this subpart, option 1	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 1, determined according to the applicable procedures in §63.5994(a), (b)(3) and (4), and (d) through (f).
4. Sources complying with	The production-	You demonstrate that the monthly average HAP

the monthly average compliance alternative without use of a control device in §63.5985(b)	based option in Table 1 to this subpart, option 2	emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 2, determined according to the applicable procedures in §63.5994(c)(1) through (3).
5. Sources complying with the monthly average compliance alternative using a control device in §63.5985(c)	The production-based option in Table 1 to this subpart, option 2	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 2, determined according to the applicable procedures in §63.5994(c)(1) and (2), (4) and (5), and (d) through (f).

Table 7 to Subpart XXXX of Part 63—Initial Compliance With the Emission Limits for Tire Cord Production Affected Sources

As stated in §63.5999, you must show initial compliance with the emission limits for tire cord production affected sources according to the following table:

For . . .	For the following emission limit . . .	You have demonstrated initial compliance if . . .
1. Sources complying with the monthly average alternative without using an add-on control device according to §63.5987(a)	The production-based option in Table 2 to this subpart, option 1	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 2 to this subpart, option 1, determined according to the procedures in §63.5997(a), (b)(1) and (2).
2. Sources complying with the monthly average alternative using an add-on control device according to §63.5987(b)	The production-based option in Table 2 to this subpart, option 1	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 2 to this subpart, option 1, determined according to the procedures in §63.5997(a), (b)(1) and (3) through (4), and (d) through (f).
3. Sources complying with the monthly average alternative without using an add-on control device according to §63.5987(a)	The HAP constituent option in Table 2 to this subpart, option 2	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 2 to this subpart, option 2, determined according to the applicable procedures in §63.5997(a) and (c)(1) and (2).
4. Sources complying with the monthly average alternative using an add-on control device according to §63.5987(b)	The HAP constituent option in Table 2 to this subpart, option 2	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 2 to this subpart, option 2, determined according to the applicable procedures in §63.5997(c)(1) and (3) through (4), and (d) through (f).

Table 8 to Subpart XXXX of Part 63—Initial Compliance With the Emission

As stated in §63.6002, you must show initial compliance with the emission limits for puncture sealant application affected sources according to the following table:

For . . .	For the following emission limit . . .	You have demonstrated initial compliance if . . .
1. Sources complying with the overall control efficiency alternative in §63.5989(a)	The percent reduction option in Table 3 to this subpart, option 1	You demonstrate that you conducted the performance tests, determined the overall efficiency of your control system, demonstrated that the applicable limits in Table 3 to this subpart, option 1, have been achieved, and established the operating limits in Table 4 of this subpart for your equipment according to the applicable procedures in §63.6000(b).
2. Sources complying with the permanent total enclosure and control device efficiency alternative in §63.5989(b)	The percent reduction option in Table 3 to this subpart, option 1	You demonstrate that you conducted the performance tests, determined the individual efficiencies of your capture and control systems, demonstrated that the applicable limits in Table 3 to this subpart, option 1, have been achieved, and established the operating limits in Table 4 of this subpart for your equipment according to the applicable procedures in §63.6000(b).
3. Sources complying with the monthly average alternative in §63.5989(c) without using an add-on control device	The HAP constituent option in Table 3 to this subpart, option 2	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 3 to this subpart, option 2, determined according to the applicable procedures in §63.6000(c) and (d)(1).
4. Sources complying with the HAP constituent alternative in §63.5989(d) by using an add-on control device	The HAP constituent option in Table 3 to this subpart, option 2	You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 3 to this subpart, option 2, determined according to the applicable procedures in §63.6000(c), (d)(2) and (3), and (e) through (f).

Table 9 to Subpart XXXX of Part 63—Minimum Data for Continuous Compliance With the Emission Limits for Tire Production Affected Sources

As stated in §63.6003, you must maintain minimum data to show continuous compliance with the emission limits for tire production affected sources according to the following table:

For . . .	You must maintain . . .
1. Sources complying with purchase compliance alternative in §63.5985(a) that are meeting the HAP constituent emission limit (option 1) in Table 1 to this subpart	a. A list of each cement and solvent as purchased and the manufacturer or supplier of each. b. A record of Method 311 (40 CFR part 60, appendix A), or approved alternative method, test results indicating the mass percent of each HAP for each cement and solvent as purchased.
2. Sources complying with the monthly average compliance alternative without using a control device according to §63.5985(b) that are meeting emission limits in Table 1 to this subpart	a. A record of Method 311, or approved alternative method, test results, indicating the mass percent of each HAP for each cement and solvent, as purchased. b. The mass of each cement and solvent used each monthly operating period. c. The total mass of rubber used each monthly

	operating period (if complying with the production-based emission limit, option 2, in Table 1 to this subpart). d. All data and calculations used to determine the monthly average mass percent for each HAP for each monthly operating period. e. Monthly averages of emissions in the appropriate emission limit format.
3. Sources complying with the monthly average compliance alternative using a control device according to §63.5985(c) that are meeting emission limits in Table 1 to this subpart	a. The same information as sources complying with the monthly average alternative without using a control device. b. Records of operating parameter values for each operating parameter that applies to you.

Table 10 to Subpart XXXX of Part 63—Continuous Compliance With the Emission Limits for Tire Production Affected Sources

As stated in §63.6004, you must show continuous compliance with the emission limits for tire production affected sources according to the following table:

For . . .	For the following emission limit . . .	You must demonstrate continuous compliance by . . .
1. Sources complying with purchase compliance alternative in §63.5985(a)	The HAP constituent option in Table 1 to this subpart, option 1	Demonstrating for each monthly period that no cements and solvents were purchased and used at the affected source containing HAP in amounts above the composition limits in Table 1 to this subpart, option 1, determined according to the procedures in §63.5994(a) and (b)(1).
2. Sources complying with the monthly average compliance alternative without using a control device according to §63.5985(b)	The HAP constituent option in Table 1 to this subpart, option 1	Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 1, determined according to the applicable procedures in §63.5994(a) and (b)(2).
3. Sources complying with the monthly average compliance alternative using a control device according to §63.5985(c)	The HAP constituent option in Table 1 to this subpart, option 1	Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 1, determined according to the applicable procedures in §63.5994(a), (b)(3) and (4), and (d) through (f).
4. Sources complying with the monthly average compliance alternative without using a control device according to §63.5985(b)	The production-based option in Table 1 to this subpart, option 2	Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 2, determined according to the applicable procedures in §63.5994(c)(1) through (3).
5. Sources complying with the monthly average compliance alternative using a control device	The production-based option in Table 1 to this subpart, option 2	Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 2, determined according to the

according to §63.5985(c)		applicable procedures in §63.5994(c)(1) and (2), (4) and (5), and (d) through (f).

Table 11 to Subpart XXXX of Part 63—Minimum Data for Continuous Compliance With the Emission Limits for Tire Cord Production Affected Sources

As stated in §63.6005, you must maintain minimum data to show continuous compliance with the emission limits for tire cord production affected sources according to the following table:

For . . .	You must maintain . . .
1. Sources complying with the monthly average alternative without using an add-on control device according to §63.5987(a) that are meeting emission limits in Table 2 to this subpart	a. A record of Method 311 (40 CFR part 63, appendix A), or approved alternative method, test results, indicating the mass percent of each HAP for coating used. b. The mass of each coating used each monthly operating period. c. The total mass of fabric processed each monthly operating period (if complying with the production-based option in Table 2 to this subpart, option 1). d. All data and calculations used to determine the monthly average mass percent for each HAP for each monthly operating period. e. Monthly averages of emissions in the appropriate emission emission limit format.
2. Sources complying with the monthly average alternative using an add-on control device according to §63.5987(b) that are meeting emission limits in Table 2 to this subpart	a. The same information as sources complying with the monthly average alternative without using a control device. b. Records of operating parameter values for each operating parameter that applies to you.

Table 12 to Subpart XXXX of Part 63—Continuous Compliance With the Emission Limits for Tire Cord Production Affected Sources

As stated in §63.6006, you must show continuous compliance with the emission limits for tire cord production affected sources according to the following table:

For . . .	For the following emission limit . . .	You must demonstrate continuous compliance by . . .
1. Sources complying with the monthly average compliance alternative without using an add-on control device according to §63.5987(a)	In Table 2 to this subpart	a. Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 2 to this subpart, option 1, determined according to the applicable procedures in §63.5997(a) and (b)(1) and (2). b. Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 2 to this subpart, option 2, determined according to the applicable procedures in §63.5997(a) and (c)(1)

		and (2).
2. Sources complying with the monthly average compliance alternative using an add-on control device according to §63.5987(b)	In Table 2 to this subpart	a. Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 2 to this subpart, option 1, determined according to the applicable procedures in §63.5997(a), (b)(1) and (3) through (4), and (d) through (f). b. Demonstrating that the monthly HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 2 to this subpart, option 2, determined according to the applicable procedures in §63.5997(c)(1) and (3) through (4), and (d) through (f).

Table 13 to Subpart XXXX of Part 63—Minimum Data for Continuous Compliance With the Emission Limitations for Puncture Sealant Application Affected Sources

As stated in §63.6007, you must maintain minimum data to show continuous compliance with the emission limitations for puncture sealant application affected sources according to the following table:

For . . .	You must maintain . . .
1. Sources complying with the control efficiency alternatives in §63.5989(a) or (b) that are meeting the percent reduction emission limits in Table 3 to this subpart, option 1, using a thermal oxidizer to reduce HAP emissions so that they do not exceed the operating limits in Table 4 to this subpart	Records of the secondary chamber firebox temperature for 100 percent of the hours during which the process was operated.
2. Sources complying with the control efficiency alternatives in §63.5989(a) or (b) that are meeting the percent reduction emission limits in Table 3 to this subpart, option 1, using a carbon adsorber to reduce HAP emissions so that they do not exceed the operating limits in Table 4 to this subpart	Records of the total regeneration stream mass or volumetric flow for each regeneration cycle for 100 percent of the hours during which the process was operated, and a record of the carbon bed temperature after each regeneration, and within 15 minutes of completing any cooling cycle for 100 percent of the hours during which the process was operated.
3. Sources complying with the control efficiency alternatives in §63.5989(a) or (b) that are meeting the percent reduction emission limits in Table 3 to this subpart, option 1, using any other type of control device to which puncture sealant application spray booth HAP emissions are ducted so that they do not exceed the operating limits in Table 4 to this subpart	Records of operating parameter values for each operating parameter that applies to you.
4. Sources complying with the permanent total enclosure compliance alternative in §63.5989(b) that are meeting the percent reduction emission limits in Table 3 to this subpart, option 1, using a permanent total enclosure capture system to capture HAP emissions so that they do not	Records of the face velocity across any NDO, the size of NDO, the number of NDO, and their proximity to HAP emission sources.

exceed the operating limits in Table 4 to this subpart	
5. Sources complying with the overall control efficiency alternative in §63.5989(a) that are meeting the percent reduction emission limits in Table 3 to this subpart, option 1, using any other capture system to capture HAP emissions so that they do not exceed the operating limits in Table 4 to this subpart	Records of operating parameter values for each operating parameter that applies to you.
6. Sources complying with the monthly average alternative without using an add-on control device according to §63.5988(a) that are meeting the HAP constituent emission limits in Table 3 to this subpart, option 2	a. A record of Method 311 (40 CFR part 63, appendix A), or approved alternative method, test results, indicating the mass percent of each HAP for puncture sealant used. b. The mass of each puncture sealant used each monthly operating period. c. All data and calculations used to determine the monthly average mass percent for each HAP for each monthly operating period. d. Monthly averages of emissions in the appropriate emission limit format.
7. Sources complying with the monthly average alternative using an add-on control device according to §63.5988(a) that are meeting the HAP constituent emission limits in Table 3 to this subpart, option 2	a. The same information as sources complying with the monthly average alternative that are not using a control device. b. Records of operating parameter values for each operating parameter that applies to you.

Table 14 to Subpart XXXX of Part 63—Continuous Compliance With the Emission Limitations for Puncture Sealant Application Affected Sources

As stated in §63.6008, you must show continuous compliance with the emission limitations for puncture sealant application affected sources according to the following table:

For . . .	You must demonstrate continuous compliance by . . .
1. Each carbon adsorber used to comply with the operating limits in Table 4 to this subpart	a. Monitoring and recording every 15 minutes the total regeneration stream mass or volumetric flow, and the carbon bed temperature after each regeneration, and within 15 minutes of completing any cooling cycle, and b. Maintaining the total regeneration stream mass or volumetric flow, and the carbon bed temperature after each regeneration, and within 15 minutes of completing any cooling cycle within the operating levels established during your performance test.
2. Each thermal oxidizer used to comply with operating limits in Table 4 to this subpart	a. Continuously monitoring and recording the firebox temperature every 15 minutes, and b. Maintaining the daily average firebox temperature within the operating level established during your performance test.
3. Other “add-on” control or capture	Continuously monitoring and recording specified

system hardware used to comply with the operating limits in Table 4 to this subpart	parameters identified through compliance testing and identified in the Notification of Compliance Status report.
4. Sources complying with the monthly average compliance alternative without using an add-on control device according to §63.5989(c) that are meeting the HAP constituent emission limits in Table 3 to this subpart, option 2	Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 3 to this subpart, option 2, determined according to the applicable procedures in §63.6000(c) and (d)(1).
5. Sources complying with the monthly average compliance alternative by using an add-on control device according to §63.5989(d) that are the HAP constituent emission limits in Table 3 to this subpart, option 2	Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the HAP constituent emission limits in Table 3 to this subpart, option 2, determined according to the applicable procedures in §63.6000(c), (d)(2) and (3), and (e) through (g).

Table 15 to Subpart XXXX of Part 63—Requirements for Reports

As stated in §63.6010, you must submit each report that applies to you according to the following table:

You must submit a(n)	The report must contain . . .	You must submit the report . . .
1. Compliance report	a. If there are no deviations from any emission limitations that apply to you, a statement that there were no deviations from the emission limitations during the reporting period. If there were no periods during which the CPMS was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CPMS was out-of-control during the reporting period	Semiannually according to the requirements in §63.6010(b), unless you meet the requirements for annual reporting in §63.6010(f).
	b. If you have a deviation from any emission limitation during the reporting period at an affected source where you are not using a CPMS, the report must contain the information in §63.6010(d). If the deviation occurred at a source where you are using a CMPS or if there were periods during which the CPMS were out-of-control as specified in §63.8(c)(7), the report must contain the information required by §63.5990(f)(3)	Semiannually according to the requirements in §63.6010(b), unless you meet the requirements for annual reporting in §63.6010(f).
	c. If you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i)	Semiannually according to the requirements in §63.6010(b), unless you meet the requirements for annual reporting in §63.6010(f).

2. Immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your startup, shutdown, and malfunction plan.	a. Actions taken for the event	By fax or telephone within 2 working days after starting actions inconsistent with the plan.
	b. The information in §63.10(d)(5)(ii)	By letter within 7 working days after the end of the event unless you have made alternative arrangements with the permitting authority (§63.10(d)(5)(ii)).

Table 16 to Subpart XXXX of Part 63—Selected Hazardous Air Pollutants

You must use the information listed in the following table to determine which emission limit in the HAP constituent options in Tables 1 through 3 to this subpart is applicable to you:

CAS No.	Selected hazardous air pollutants
50000	Formaldehyde
51796	Ethyl carbamate (Urethane)
53963	2-Acetylaminofluorene
56235	Carbon tetrachloride
57147	1,1-Dimethyl hydrazine
57578	beta-Propiolactone
58899	Lindane (all isomers)
59892	N-Nitrosomorpholine
60117	Dimethyl aminoazobenzene
62759	N-Nitrosodimethylamine
64675	Diethyl sulfate
67663	Chloroform
67721	Hexachloroethane
71432	Benzene (including benzene from gasoline)
75014	Vinyl chloride
75070	Acetaldehyde
75092	Methylene chloride (Dichloromethane)
75218	Ethylene oxide

75558	1,2-Propylenimine (2-Methyl aziridine)
75569	Propylene oxide
77781	Dimethyl sulfate
79061	Acrylamide
79447	Dimethyl carbamoyl chloride
79469	2-Nitropropane
88062	2,4,6-Trichlorophenol
91941	3,3-Dichlorobenzidene
92671	4-Aminobiphenyl
92875	Benzidine
95534	o-Toluidine
95807	2,4-Toluene diamine
96128	1,2-Dibromo-3-chloropropane
96457	Ethylene thiourea
98077	Benzotrichloride
101144	4,4-Methylene bis(2-chloroaniline)
101779	4,4-Methylenedianiline
106467	1,4-Dichlorobenzene(p)
106898	Epichlorohydrin (l-Chloro-2,3-epoxypropane)
106934	Ethylene dibromide (Dibromoethane)
106990	1,3-Butadiene
107062	Ethylene dichloride (1,2-Dichloroethane)
107131	Acrylonitrile
107302	Chloromethyl methyl ether
117817	Bis(2-ethylhexyl)phthalate (DEHP)
118741	Hexachlorobenzene
119904	3,3-Dimethoxybenzidine
119937	3,3-Dimethyl benzidine
122667	1,2-Diphenylhydrazine
123911	1,4-Dioxane (1,4-Diethyleneoxide)
127184	Tetrachloroethylene (Perchloroethylene)
140885	Ethyl acrylate

302012	Hydrazine
542756	1,3-Dichloropropene
542881	Bis(chloromethyl)ether
680319	Hexamethylphosphoramide
684935	N-Nitroso-N-methylurea
1120714	1,3-Propane sultone
1332214	Asbestos
1336363	Polychlorinated biphenyls (Aroclors)
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin
8001352	Toxaphene (chlorinated camphene)
	Arsenic Compounds
	Chromium Compounds
	Coke Oven Emissions

Table 17 to Subpart XXXX of Part 63—Applicability of General Provisions to This Subpart XXXX

As stated in §63.6013, you must comply with the applicable General Provisions (GP) requirements according to the following table:

Citation	Subject	Brief description of applicable sections	Applicable to Subpart XXXX?	
			Using a control device	Not using a control device
§63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements; extensions; notifications	Yes	Yes.
§63.2	Definitions	Definitions for part 63 standards	Yes	Yes.
§63.3	Units and Abbreviations	Units and abbreviations for part 63 standards	Yes	Yes.
§63.4	Prohibited Activities	Prohibited activities; compliance date; circumvention; severability	Yes	Yes.
§63.5	Construction/Reconstruction	Applicability; applications; approvals	Yes	Yes.

§63.6(a)	Applicability	GP apply unless compliance extension; GP apply to area sources that become major	Yes	Yes.
§63.6(b)(1)–(4)	Compliance Dates for New and Reconstructed Sources	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for section 112(f)	Yes	Yes.
§63.6(b)(5)	Notification	Must notify if commenced construction or reconstruction after proposal	Yes	Yes.
§63.6(b)(6)	[Reserved]			
§63.6(b)(7)	Compliance Dates for New and Reconstructed Area Sources that Become Major		No	No.
§63.6(c)(1)–(2)	Compliance Dates for Existing Sources	Comply according to date in subpart, which must be no later than 3 years after effective date; for CAA section 112(f) standards, comply within 90 days of effective date unless compliance extension	Yes	Yes.
§63.6(c)(3)–(4)	[Reserved]			
§63.6(c)(5)	Compliance Dates for Existing Area Sources that Become Major	Area sources that become major must comply with major source standards by date indicated in subpart or by equivalent time period (for example, 3 years)	Yes	Yes.
§63.6(d)	[Reserved]			
§63.6(e)(1)–(2)	Operation & Maintenance	Operate to minimize emissions at all times; correct malfunctions as soon as practicable; and operation and maintenance requirements independently enforceable; information Administrator will use to determine if operation and maintenance requirements were met	Yes	Yes.
§63.6(e)(3)	Startup, Shutdown, and Malfunction Plan (SSMP)		Yes	No.
§63.6(f)(1)	Compliance Except During SSM		Yes	No.
§63.6(f)(2)–(3)	Methods for Determining	Compliance based on	Yes	Yes.

	Compliance	performance test; operation and maintenance plans; records; inspection		
§63.6(g)(1)–(3)	Alternative Standard	Procedures for getting an alternative standard	Yes	Yes.
§63.6(h)	Opacity/Visible Emission (VE) Standards		No	No.
§63.6(i)	Compliance Extension	Procedures and criteria for Administrator to grant compliance extension	Yes	Yes.
§63.6(j)	Presidential Compliance Exemption	President may exempt source category from requirement to comply with rule	Yes	Yes.
§63.7(a)(1)–(2)	Performance Test Dates		No	No.
§63.7(a)(3)	CAA section 114 Authority	Administrator may require a performance test under CAA section 114 at any time	Yes	No.
§63.7(b)(1)	Notification of Performance Test	Must notify Administrator 60 days before the test	Yes	No.
§63.7(b)(2)	Notification of Rescheduling	If rescheduling a performance test is necessary, must notify Administrator 5 days before scheduled date of rescheduled date	Yes	No.
§63.7(c)	Quality Assurance/Test Plan	Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with: test plan approval procedures; performance audit requirements; and internal and external quality assurance procedures for testing	Yes	No.
§63.7(d)	Testing Facilities	Requirements for testing facilities	Yes	No.
§63.7(e)(1)	Conditions for Conducting Performance Tests	Performance tests must be conducted under representative conditions; cannot conduct performance tests during SSM; not a violation to exceed standard during SSM	Yes	No.
§63.7(e)(2)	Conditions for Conducting Performance Tests	Must conduct according to rule and EPA test methods unless Administrator	Yes	No.

		approves alternative		
§63.7(e)(3)	Test Run Duration	Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; and conditions when data from an additional test run can be used	Yes	No.
§63.7(f)	Alternative Test Method	Procedures by which Administrator can grant approval to use an alternative test method	Yes	No.
§63.7(g)	Performance Test Data Analysis	Must include raw data in performance test report; must submit performance test data 60 days after end of test with the Notification of Compliance Status report; and keep data for 5 years	Yes	No.
§63.7(h)	Waiver of Tests	Procedures for Administrator to waive performance test	Yes	No.
§63.8(a)(1)	Applicability of Monitoring Requirements	Subject to all monitoring requirements in standard	Yes	Yes.
§63.8(a)(2)	Performance Specifications	Performance Specifications in appendix B of 40 CFR part 60 apply	Yes	No.
§63.8(a)(3)	[Reserved]			
§63.8(a)(4)	Monitoring with Flares		No	No.
§63.8(b)(1)	Monitoring	Must conduct monitoring according to standard unless Administrator approves alternative	Yes	Yes.
§63.8(b)(2)–(3)	Multiple Effluents and Multiple Monitoring Systems	Specific requirements for installing monitoring systems; must install on each effluent before it is combined and before it is released to the atmosphere unless Administrator approves otherwise; if more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup	Yes	Yes.
§63.8(c)(1)	Monitoring System Operation and Maintenance	Maintain monitoring system in a manner consistent with good air pollution control	Applies as modified by §63.5990(e)	No.

		practices	and (f)	
§63.8(c)(1)(i)	Routine and Predictable SSM		No	No.
§63.8(c)(1)(ii)	SSM not in SSMP		No	No.
§63.8(c)(1)(iii)	Compliance with Operation and Maintenance Requirements	How Administrator determines if source complying with operation and maintenance requirements; review of source operation and maintenance procedures, records, manufacturer's instructions, recommendations, and inspection of monitoring system	Yes	Yes.
§63.8(c)(2)–(3)	Monitoring System Installation	Must install to get representative emission and parameter measurements; must verify operational status before or at performance test	Yes	No.
§63.8(c)(4)	Continuous Monitoring System (CMS) Requirements		Applies as modified by §63.5990(f)	No.
§63.8(c)(5)	Continuous Opacity Monitoring Systems (COMS) Minimum Procedures		No	No.
§63.8(c)(6)	CMS Requirements		Applies as modified by §63.5990(e)	No.
§63.8(c)(7)–(8)	CMS Requirements	Out-of-control periods, including reporting	Yes	No.
§63.8(d)	CMS Quality Control		Applies as modified by §63.5990(e) and (f)	No.
§63.8(e)	CMS Performance Evaluation		No	No.
§63.8(f)(1)–(5)	Alternative Monitoring Method	Procedures for Administrator to approve alternative monitoring	Yes	Yes.
§63.8(f)(6)	Alternative to Relative Accuracy Test		No	No.
§63.8(g)	Data Reduction		Applies as modified by §63.5990(f)	No.
§63.9(a)	Notification Requirements	Applicability and state delegation	Yes	Yes.

§63.9(b)(1)-(5)	Initial Notifications	Submit notification 120 days after effective date; notification of intent to construct/reconstruct, notification of commencement of construct/reconstruct, notification of startup; and contents of each	Yes	Yes.
§63.9(c)	Request for Compliance Extension	Can request if cannot comply by date or if installed best available control technology or lowest achievable emission rate	Yes	Yes.
§63.9(d)	Notification of Special Compliance Requirements for New Source	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date	Yes	Yes.
§63.9(e)	Notification of Performance Test	Notify Administrator 60 days prior	Yes	No.
§63.9(f)	Notification of VE/Opacity Test	No	No	
§63.9(g)	Additional Notifications When Using CMS	No	No	
§63.9(h)	Notification of Compliance Status	Contents; due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after; when to submit to Federal vs. State authority	Yes	Yes.
§63.9(i)	Adjustment of Submittal Deadlines	Procedures for Administrator to approve change in when notifications must be submitted	Yes	Yes.
§63.9(j)	Change in Previous Information	Must submit within 15 days after the change	Yes	Yes.
§63.10(a)	Recordkeeping/Reporting	Applies to all, unless compliance extension; when to submit to Federal vs. State authority; procedures for owners of more than 1 source	Yes	Yes.
§63.10(b)(1)	Recordkeeping/Reporting	General Requirements; keep all records readily available; and keep for 5 years.	Yes	Yes.
§63.10(b)(2)(i)-(iv)	Records related to Startup, Shutdown, and Malfunction.	Yes	No	

§63.10(b)(2)(vi) and (x)–(xi)	CMS Records	Malfunctions, inoperative, out-of-control; calibration checks; adjustments, maintenance	Yes	No.
§63.10(b)(2)(vii)–(ix)	Records	Measurements to demonstrate compliance with emission limitations; performance test, performance evaluation, and visible emission observation results; and measurements to determine conditions of performance tests and performance evaluations	Yes	Yes.
§63.10(b)(2)(xii)	Records	Records when under waiver	Yes	Yes.
§63.10(b)(2)(xiii)	Records		No	No.
§63.10(b)(2)(xiv)	Records	All documentation supporting Initial Notification and Notification of Compliance Status	Yes	Yes.
§63.10(b)(3)	Records	Applicability determinations	Yes	Yes.
§63.10(c)	Records		No	No.
§63.10(d)(1)	General Reporting Requirements	Requirement to report	Yes	Yes.
§63.10(d)(2)	Report of Performance Test Results	When to submit to Federal or State authority	Yes	No.
§63.10(d)(3)	Reporting Opacity or VE Observations		No	No.
§63.10(d)(4)	Progress Reports	Must submit progress reports on schedule if under compliance extension	Yes	Yes.
§63.10(d)(5)	Startup, Shutdown, and Malfunction Reports		Yes	No.
§63.10(e)	Additional CMS Reports		No	No.
§63.10(f)	Waiver for Recordkeeping/Reporting	Procedures for Administrator to waive	Yes	Yes.
§63.11	Flares		No	No.
§63.12	Delegation	State authority to enforce standards	Yes	Yes.
§63.13	Addresses	Addresses where reports, notifications, and requests are sent	Yes	Yes.
§63.14	Incorporation by Reference	Test methods incorporated	Yes	Yes.

		by reference		
§63.15	Availability of Information	Public and confidential information	Yes	Yes.

Attachment B to Part 70 Operating Permit Renewal No. 003-20341-00008

BF Goodrich Tire Manufacturing
18906 Highway 24 East, Woodburn, Indiana 46797-0277

40 CFR 60, Subpart BBB—Standards of Performance for the Rubber Tire Manufacturing Industry

Source: 52 FR 34874, Sept. 15, 1987, unless otherwise noted.

§ 60.540 Applicability and designation of affected facilities.

(a) The provisions of this subpart, except as provided in paragraph (b) of this section, apply to each of the following affected facilities in rubber tire manufacturing plants that commence construction, modification, or reconstruction after January 20, 1983: each undertread cementing operation, each sidewall cementing operation, each tread end cementing operation, each bead cementing operation, each green tire spraying operation, each Michelin-A operation, each Michelin-B operation, and each Michelin-C automatic operation.

(b) The owner or operator of each undertread cementing operation and each sidewall cementing operation in rubber tire manufacturing plants that commenced construction, modification, or reconstruction after January 20, 1983, and before September 15, 1987, shall have the option of complying with the alternate provisions in §60.542a. This election shall be irreversible. The alternate provisions in §60.542a do not apply to any undertread cementing operation or sidewall cementing operation that is modified or reconstructed after September 15, 1987. The affected facilities in this paragraph are subject to all applicable provisions of this subpart.

(c) Although the affected facilities listed under §60.540(a) are defined in reference to the production of components of a “tire,” as defined under §60.541(a), the percent emission reduction requirements and VOC use cutoffs specified under §60.542(a)(1), (2), (6), (7)(iii), (7)(iv), (8), (9), and (10) refer to the total amount of VOC used (the amount allocated to the affected facility), including the VOC used in cements and organic solvent-based green tire spray materials for tire types not listed in the §60.541(a) definition of “tire.”

[52 FR 34874, Sept. 15, 1987, as amended at 54 FR 38635, Sept. 19, 1989]

§ 60.541 Definitions.

(a) All terms that are used in this subpart and are not defined below are given the same meaning as in the Act and in subpart A of this part.

Bead means rubber-covered strands of wire, wound into a circular form, which ensure a seal between a tire and the rim of the wheel onto which the tire is mounted.

Bead cementing operation means the system that is used to apply cement to the bead rubber before or after it is wound into its final circular form. A bead cementing operation consists of a cement application station, such as a dip tank, spray booth and nozzles, cement trough and roller or swab applicator, and all other equipment necessary to apply cement to wound beads or bead rubber and to allow evaporation of solvent from cemented beads.

Component means a piece of tread, combined tread/sidewall, or separate sidewall rubber, or other rubber strip that is combined into the sidewall of a finished tire.

Drying area means the area where VOC from applied cement or green tire sprays is allowed to evaporate.

Enclosure means a structure that surrounds a VOC (cement, solvent, or spray) application area and drying area, and that captures and contains evaporated VOC and vents it to a control device. Enclosures may have permanent and temporary openings.

Green tire means an assembled, uncured tire.

Green tire spraying operation means the system used to apply a mold release agent and lubricant to the inside and/or outside of green tires to facilitate the curing process and to prevent rubber from sticking to the curing press. A green tire spraying operation consists of a booth where spraying is performed, the spray application station, and related equipment, such as the lubricant supply system.

Michelin-A operation means the operation identified as Michelin-A in the Emission Standards and Engineering Division confidential file as referenced in Docket A–80–9, Entry II–B–12.

Michelin-B operation means the operation identified as Michelin-B in the Emission Standards and Engineering Division confidential file as referenced in Docket A–80–9, Entry II–B–12.

Michelin-C-automatic operation means the operation identifed as Michelin-C-automatic in the Emission Standards and Engineering Division confidential file as referenced in Docket A–80–9, Entry II–B–12.

Month means a calendar month or a prespecified period of 28 days or 35 days (utilizing a 4–4–5-week recordkeeping and reporting schedule).

Organic solvent-based green tire spray means any mold release agent and lubricant applied to the inside or outside of green tires that contains more than 12 percent, by weight, of VOC as sprayed.

Permanent opening means an opening designed into an enclosure to allow tire components to pass through the enclosure by conveyor or other mechanical means, to provide access for permanent mechanical or electrical equipment, or to direct air flow into the enclosure. A permanent opening is not equipped with a door or other means of obstruction of air flow.

Sidewall cementing operation means the system used to apply cement to a continuous strip of sidewall component or any other continuous strip component (except combined tread/sidewall component) that is incorporated into the sidewall of a finished tire. A sidewall cementing operation consists of a cement application station and all other equipment, such as the cement supply system and feed and takeaway conveyors, necessary to apply cement to sidewall strips or other continuous strip component (except combined tread/sidewall component) and to allow evaporation of solvent from the cemented rubber.

Temporary opening means an opening into an enclosure that is equipped with a means of obstruction, such as a door, window, or port, that is normally closed.

Tire means any agricultural, airplane, industrial, mobile home, light-duty truck and/or passenger vehicle tire that has a bead diameter less than or equal to 0.5 meter (m) (19.7 inches) and a cross section dimension less than or equal to 0.325 m (12.8 in.), and that is mass produced in an assembly-line fashion.

Tread end cementing operation means the system used to apply cement to one or both ends of the tread or combined tread/sidewall component. A tread end cementing operation consists of a cement application station and all other equipment, such as the cement supply system and feed and takeaway conveyors, necessary to apply cement to tread ends and to allow evaporation of solvent from the cemented tread ends.

Undertread cementing operation means the system used to apply cement to a continuous strip of tread or combined tread/sidewall component. An undertread cementing operation consists of a cement application station and all other equipment, such as the cement supply system and feed and takeaway conveyors, necessary to apply cement to tread or combined tread/sidewall strips and to allow evaporation of solvent from the cemented tread or combined tread/sidewall.

VOC emission control device means equipment that destroys or recovers VOC.

VOC emission reduction system means a system composed of an enclosure, hood, or other device for containment and capture of VOC emissions and a VOC emission control device.

Water-based green tire spray means any mold release agent and lubricant applied to the inside or outside of green tires that contains 12 percent or less, by weight, of VOC as sprayed.

(b) Notations used under this subpart are defined below:

B_o=total number of beads cemented at a particular bead cementing affected facility for a month

C_a=concentration of VOC in gas stream in vents after a control device (parts per million by volume)

C_b=concentration of VOC in gas stream in vents before a control device (parts per million by volume)

C_f=concentration of VOC in each gas stream vented directly to the atmosphere from an affected facility or from a temporary enclosure around an affected facility (parts per million by volume)

D_c=density of cement or spray material (grams per liter (lb per gallon))

D_r=density of VOC recovered by an emission control device (grams per liter (lb per gallon))

E=emission control device efficiency, inlet versus outlet (fraction)

F_c=capture efficiency, VOC captured and routed to one control device versus total VOC used for an affected facility (fraction)

F_o=fraction of total mass of VOC used in a month by all facilities served by a common cement or spray material distribution system that is used by a particular affected facility served by the common distribution system

G=monthly average mass of VOC used per tire cemented or sprayed with a water-based green tire spray for a particular affected facility (grams (lb) per tire)

G_b=monthly average mass of VOC used per bead cemented for a particular bead cementing affected facility (grams (lb) per bead)

L_c=volume of cement or spray material used for a month (liters (gallons))

L_r=volume of VOC recovered by an emission control device for a month (liters (gallons))

M=total mass of VOC used for a month by all facilities served by a common cement or spray material distribution system (grams (lb))

M_o=total mass of VOC used at an affected facility for a month (grams (lb))

M_r=mass of VOC recovered by an emission control device for a month (grams (lb))

N=mass of VOC emitted to the atmosphere per tire cemented or sprayed with a water-based green tire spray for an affected facility for a month (grams (lb) per tire)

N_b=mass of VOC emitted per bead cemented for an affected facility for a month (grams (lb) per bead)

Q_a=volumetric flow rate in vents after a control device (dry standard cubic meters (dry standard cubic feet) per hour)

Q_b=volumetric flow rate in vents before a control device (dry standard cubic meters (dry standard cubic feet) per hour)

Q_f=volumetric flow rate of each stream vented directly to the atmosphere from an affected facility or from a temporary enclosure around an affected facility (dry standard cubic meters (dry standard cubic feet) per hour)

R=overall efficiency of an emission reduction system (fraction)

T_d=total number of days in monthly compliance period (days)

T_o=total number of tires cemented or sprayed with water-based green tire sprays at a particular affected facility for a month

W_o=weight fraction of VOC in a cement or spray material.

[52 FR 34874, Sept. 15, 1987, as amended at 65 FR 61764, Oct. 17, 2000]

§ 60.542 Standards for volatile organic compounds.

(a) On and after the date on which the initial performance test, required by §60.8, is completed, but no later than 180 days after initial startup, each owner or operator subject to the provisions of this subpart shall comply with the following conditions:

(1) For each undertread cementing operation:

(i) Discharge into the atmosphere no more than 25 percent of the VOC used (75 percent emission reduction) for each month; or

(ii) Maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

(A) 3,870 kg (8,531 lb) of VOC per 28 days,

(B) 4,010 kg (8,846 lb) of VOC per 29 days,

(C) 4,150 kg (9,149 lb) of VOC per 30 days,

(D) 4,280 kg (9,436 lb) of VOC per 31 days, or

(E) 4,840 kg (10,670 lb) of VOC per 35 days.

(2) For each sidewall cementing operation:

(i) Discharge into the atmosphere no more than 25 percent of the VOC used (75 percent emission reduction) for each month; or

(ii) Maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

(A) 3,220 kg (7,099 lb) of VOC per 28 days,

(B) 3,340 kg (7,363 lb) of VOC per 29 days,

(C) 3,450 kg (7,606 lb) of VOC per 30 days,

(D) 3,570 kg (7,870 lb) of VOC per 31 days, or

(E) 4,030 kg (8,885 lb) of VOC per 35 days.

(3) For each tread end cementing operation: Discharge into the atmosphere no more than 10 grams (0.022 lb) of VOC per tire cemented for each month.

(4) For each bead cementing operation: Discharge into the atmosphere no more than 5 grams (0.011 lb) of VOC per bead cemented for each month.

(5) For each green tire spraying operation where only water-based sprays are used:

(i) Discharge into the atmosphere no more than 1.2 grams (0.0026 lb) of VOC per tire sprayed with an inside green tire spray for each month; and

(ii) Discharge into the atmosphere no more than 9.3 grams (0.021 lb) of VOC per tire sprayed with an outside green tire spray for each month.

(6) For each green tire spraying operation where only ogranic solvent-based sprays are used:

(i) Discharge into the atmosphere no more than 25 percent of the VOC used (75 percent emission reduction) for each month; or

(ii) Maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

(A) 3,220 kg (7,099 lb) of VOC per 28 days,

(B) 3,340 kg (7,363 lb) of VOC per 29 days,

(C) 3,450 kg (7,606 lb) of VOC per 30 days,

(D) 3,570 kg (7,870 lb) of VOC per 31 days, or

(E) 4,030 kg (8,885 lb) of VOC per 35 days.

(7) For each green tire spraying operation where both water-based and organic solvent-based sprays are used:

(i) Discharge into the atmosphere no more than 1.2 grams (0.0026 lb) of VOC per tire sprayed with a water-based inside green tire spray for each month; and

(ii) Discharge into the atmosphere no more than 9.3 grams (0.021 lb) of VOC per tire sprayed with a water-based outside green tire spray for each month; and either

(iii) Discharge into the atmosphere no more than 25 percent of the VOC used in the organic solvent-based green tire sprays (75 percent emission reduction) for each month; or

(iv) Maintain total (uncontrolled) VOC use for all organic solvent-based green tire sprays less than or equal to the levels specified under paragraph (a)(6)(ii) of this section.

(8) For each Michelin-A operation:

(i) Discharge into the atmosphere no more than 35 percent of the VOC used (65 percent emission reduction) for each month; or

(ii) Maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

(A) 1,570 kg (3,461 lb) of VOC per 28 days,

(B) 1,630 kg (3,593 lb) of VOC per 29 days,

(C) 1,690 kg (3,726 lb) of VOC per 30 days,

(D) 1,740 kg (3,836 lb) of VOC per 31 days, or

(E) 1,970 kg (4,343 lb) of VOC per 35 days.

(9) For each Michelin-B operation:

(i) Discharge into the atmosphere no more than 25 percent of the VOC used (75 percent emission reduction) for each month; or

(ii) Maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

(A) 1,310 kg (2,888 lb) of VOC per 28 days,

(B) 1,360 kg (2,998 lb) of VOC per 29 days,

(C) 1,400 kg (3,086 lb) of VOC per 30 days,

(D) 1,450 kg (3,197 lb) of VOC per 31 days, or

(E) 1,640 kg (3,616 lb) of VOC per 35 days.

(10) For each Michelin-C-automatic operation:

(i) Discharge into the atmosphere no more than 35 percent of the VOC used (65 percent emission reduction) for each month; or

(ii) Maintain total (uncontrolled) VOC use less than or equal to the levels specified under paragraph (a)(8)(ii) of this section.

[52 FR 34874, Sept. 15, 1987, as amended at 65 FR 61764, Oct. 17, 2000]

§ 60.542a Alternate standard for volatile organic compounds.

(a) On and after the date on which the initial performance test, required by §60.8, is completed, but no later than 180 days after September 19, 1989, each owner or operator subject to the provisions in §60.540(b) shall not cause to be discharged into the atmosphere more than: 25 grams (0.055 lb) of VOC per tire processed for each month if the operation uses 25 grams (0.055 lb) or less of VOC per tire processed and does not employ a VOC emission reduction system.

(b) [Reserved]

[54 FR 38635, Sept. 19, 1989, as amended at 65 FR 61765, Oct. 17, 2000]

§ 60.543 Performance test and compliance provisions.

(a) Section 60.8(d) does not apply to the monthly performance test procedures required by this subpart. Section 60.8(d) does apply to initial performance tests and to the performance tests specified under paragraphs (b)(2) and (b)(3) of this section. Section 60.8(f) does not apply when Method 24 is used.

(b) Performance tests shall be conducted as follows:

(1) The owner or operator of an affected facility shall conduct an initial performance test, as required under §60.8(a), except as described under paragraph (j) of this section. The owner or operator of an affected facility shall thereafter conduct a performance test each month, except as described under paragraphs (b)(4), (g)(1), and (j) of this section. Initial and monthly performance tests shall be conducted according to the procedures in this section.

(2) The owner or operator of an affected facility who elects to use a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), as described under paragraphs (f) and (g) of this section, shall repeat the performance test when directed by the Administrator or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency. The performance test shall be conducted in accordance with the procedures described under paragraphs (f)(2) (i) through (iv) of this section.

(3) The owner or operator of an affected facility who seeks to comply with the equipment design and performance specifications, as described under paragraph (j) of this section, shall repeat the performance test when directed by the Administrator or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent

determination of control device efficiency or measurement of capture system retention time or face velocity. The performance test shall be conducted in accordance with the procedures described under paragraph (f)(2)(ii) of this section.

(4) The owner or operator of each tread end cementing operation and each green tire spraying operation using only water-based sprays (inside and/or outside) containing less than 1.0 percent, by weight, of VOC is not required to conduct a monthly performance test as described in paragraph (d) of this section. In lieu of conducting a monthly performance test, the owner or operator of each tread end cementing operation and each green tire spraying operation shall submit formulation data or the results of Method 24 analysis annually to verify the VOC content of each tread end cement and each green tire spray material, provided the spraying formulation has not changed during the previous 12 months. If the spray material formulation changes, formulation data or Method 24 analysis of the new spray shall be conducted to determine the VOC content of the spray and reported within 30 days as required under §60.546(j).

(c) For each undertread cementing operation, each sidewall cementing operation, each green tire spraying operation where organic solvent-based sprays are used, each Michelin-A operation, each Michelin-B operation, and each Michelin-C-automatic operation where the owner or operator seeks to comply with the uncontrolled monthly VOC use limits, the owner or operator shall use the following procedure to determine compliance with the applicable (depending upon duration of compliance period) uncontrolled monthly VOC use limit specified under §60.542(a) (1)(ii), (2)(ii), (6)(ii), (7)(iv), (8)(ii), (9)(ii), and (10)(ii). If both undertread cementing and sidewall cementing are performed at the same affected facility during a month, then the kg/mo limit specified under §60.542(a)(1)(ii) shall apply for that month.

(1) Determine the density and weight fraction VOC (including dilution VOC) of each cement or green tire spray from its formulation or by analysis of the cement or green tire spray using Method 24. If a dispute arises, the Administrator may require an owner or operator who used formulation data to analyze the cement or green tire spray using Method 24.

(2) Calculate the total mass of VOC used at the affected facility for the month (M_o) by the following procedure:

(i) For each affected facility for which cement or green tire spray is delivered in batch or via a distribution system that serves only the affected facility:

$$M_o = \sum_{i=1}^{a} L_{c_i} D_{c_i} W_{o_i}$$

Where:

“a” equals the number of different cements or green tire sprays used during the month that are delivered in batch or via a distribution system that serves only a single affected facility.

(ii) For each affected facility for which cement or green tire spray is delivered via a common distribution system that also serves other affected or existing facilities:

(A) Calculate the total mass of VOC used for all of the facilities served by the common distribution system for the month (M):

$$M = \sum_{i=1}^{b} L_{c_i} D_{c_i} W_{o_i}$$

Where:

“b” equals the number of different cements or green tire sprays used during the month that are delivered via a common distribution system that also serves other affected or existing facilities.

(B) Determine the fraction (F_o) of M used at the affected facility by comparing the production records and process specifications for the material cemented or sprayed at the affected facility for the month to the production records and process specifications for the material cemented or sprayed at all other facilities served by the common distribution system for the month or by another procedure acceptable to the Administrator.

(C) Calculate the total monthly mass of VOC used at the affected facility for the month (M_o):

$M_o = MF_o$

(3) Determine the time duration of the monthly compliance period (T_d).

(d) For each tread end cementing operation and each green tire spraying operation where water-based cements or sprays containing 1.0 percent, by weight, of VOC or more are used (inside and/or outside) that do not use a VOC emission reduction system, the owner or operator shall use the following procedure to determine compliance with the VOC emission per tire limit specified under §60.542 (a)(3), (a)(5)(i), (a)(5)(ii), (a)(7)(i), and (a)(7)(ii).

(1) Determine the density and weight fraction VOC as specified under paragraph (c)(1) of this section.

(2) Calculate the total mass of VOC used at the affected facility for the month (M_o) as specified under paragraph (c)(2) of this section.

(3) Determine the total number of tires cemented or sprayed at the affected facility for the month (T_o) by the following procedure:

(i) For a trend end cementing operation, $T_o$equals the number of tread or combined tread/sidewall components that receive an application of tread end cement for the month.

(ii) For a green tire spraying operation that uses water-based inside green tire sprays, $T_o$equals the number of green tires that receive an application of water-based inside green tire spray for the month.

(iii) For a green tire spraying operation that uses water-based outside green tire sprays, $T_o$equals the number of green tires that receive an application of water-based outside green tire spray for the month.

(4) Calculate the mass of VOC used per tire cemented or sprayed at the affected facility for the month (G):

$$G = \frac{M_o}{T_o}$$

(5) Calculate the mass of VOC emitted per tire cemented or sprayed at the affected facility for the month (N):

$N = G$

(e) For each bead cementing operation that does not use a VOC emission reduction system, the owner or operator shall use the following procedure to determine compliance with the VOC emission per bead limit specified under §60.542(a)(4).

(1) Determine the density and weight fraction VOC as specified under paragraph (c)(1) of this section.

(2) Calculate the total mass of VOC used at the affected facility for the month (M_o) as specified under paragraph (c)(2) of this section.

(3) Determine the number of beads cemented at the affected facility during the month (B_o) using production records; $B_o$equals the number of beads that receive an application of cement for the month.

(4) Calculate the mass of VOC used per bead cemented at the affected facility for the month (G_b):

$$G_b = \frac{M_o}{B_o}$$

(5) Calculate the mass of VOC emitted per bead cemented at the affected facility for the month (N_b):

$N_b = G_b$

(f) For each tread end cementing operation and each bead cementing operation that uses a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), the owner or operator shall use the following procedure to determine compliance with the emission limit specified under §60.542(a) (3) and (4).

(1) Calculate the mass of VOC used per tire cemented at the affected facility for the month (G), as specified under paragraphs (d) (1) through (4) of this section, or mass of VOC used per bead cemented at the affected facility for the month (G_b), as specified under paragraphs (e) (1) through (4) of this section.

(2) Calculate the mass of VOC emitted per tire cemented at the affected facility for the month (N) or mass of VOC emitted per bead cemented for the affected facility for the month (N_b):

$N = G (1-R)$

$N_b = G_b(1-R)$

For the initial performance test, the overall reduction efficiency (R) shall be determined as prescribed under paragraphs (f)(2) (i) through (iv) of this section. After the initial performance test, the owner or operator may use the most recently determined overall reduction efficiency (R) for the performance test. No monthly performance tests are required. The performance test shall be repeated during conditions described under paragraph (b)(2) of this section.

(i) The owner or operator of an affected facility shall construct a temporary enclosure around the application and drying areas during the performance test for the purpose of capturing fugitive

VOC emissions. The enclosure must be maintained at a negative pressure to ensure that all evaporated VOC are measurable. Determine the fraction (F_c) of total VOC used at the affected facility that enters the control device:

$$F_c = \frac{\sum_{i=1}^{m} C_{b_i} Q_{b_i}}{\sum_{i=1}^{m} C_{b_i} Q_{b_i} + \sum_{i=1}^{n} C_{f_i} Q_{f_i}}$$

Where:

“m” is the number of vents from the affected facility to the control device, and “n” is the number of vents from the affected facility to the atmosphere and from the temporary enclosure.

(ii) Determine the destruction efficiency of the control device (E) by using values of the volumetric flow rate of each of the gas streams and the VOC content (as carbon) of each of the gas streams in and out of the control device:

$$E = \frac{\sum_{i=1}^{m} C_{b_i} Q_{b_i} - \sum_{i=1}^{p} C_{a_i} Q_{a_i}}{\sum_{i=1}^{m} C_{b_i} Q_{b_i}}$$

Where:

“m” is the number of vents from the affected facility to the control device, and “p” is the number of vents after the control device.

(iii) Determine the overall reduction efficiency (R):

$R = EF_c$

(iv) The owner or operator of an affected facility shall have the option of substituting the following procedure as an acceptable alternative to the requirements prescribed under paragraph (f)(2)(i) of this section. This alternative procedure is acceptable only in cases where a single VOC is used and is present in the capture system. The average capture efficiency value derived from a minimum of three runs shall constitute a test.

(A) For each run, “i,” measure the mass of the material containing a single VOC used. This measurement shall be made using a scale that has both a calibration and a readability to within 1 percent of the mass used during the run. This measurement may be made by filling the direct supply reservoir (e.g., trough, tray, or drum that is integral to the operation) and related application equipment (e.g., rollers, pumps, hoses) to a marked level at the start of the run and then refilling to the same mark from a more easily weighed container (e.g., separate supply drum) at the end of the run. The change in mass of the supply drum would equal the mass of material used from the direct supply reservoir. Alternatively, this measurement may be made by weighing the direct supply reservoir at the start and end of the run or by weighing the direct supply reservoir and related application equipment at the start and end of the run. The change in mass would equal the mass of the material used in the run. If only the direct supply reservoir is weighed, the amount of material in or on the related application equipment must be the same at the start and end of the run. All additions of VOC containing material made to the direct supply reservoir during a run must be properly accounted for in determining the mass of material used during that run.

(B) For each run, “i,” measure the mass of the material containing a single VOC which is present in the direct supply reservoir and related application equipment at the start of the run, unless the ending weight fraction VOC in the material is greater than or equal to 98.5 percent of the starting weight fraction VOC in the material, in which case, this measurement is not required. This measurement may be made directly by emptying the direct supply reservoir and related application equipment and then filling them to a marked level from an easily weighed container (e.g. separate supply drum). The change in mass of the supply drum would equal the mass of material in the filled direct supply reservoir and related application equipment. Alternatively, this measurement may be made by weighing the direct supply reservoir and related application equipment at the start of the run and subtracting the mass of the empty direct supply reservoir and related application equipment (tare weight).

(C) For each run, “i,” the starting weight fraction VOC in the material shall be determined by Method 24 analysis of a sample taken from the direct supply reservoir at the beginning of the run.

(D) For each run, “i,” the ending weight fraction VOC in the material shall be determined by Method 24 analysis of a sample taken from the direct supply reservoir at the end of the run.

(E) For each run, “i,” in which the ending weight fraction VOC in the material is greater than or equal to 98.5 percent of the starting weight fraction VOC in the material, calculate the mass of the single VOC used (Mi) by multiplying the mass of the material used in the run by the starting weight fraction VOC of the material used in the run.

(F) For each run, “i,” in which the ending weight fraction VOC in the material is less than 98.5 percent of the starting weight fraction VOC in the material, calculate the mass of the single VOC used (M_i) as follows:

(*1*) Calculate the mass of VOC present in the direct supply reservoir and related application equipment at the start of the run by multiplying the mass of material in the direct supply reservoir and related application equipment at the start of the run by the starting weight fraction VOC in the material for that run.

(*2*) Calculate the mass of VOC present in the direct supply reservoir and related application equipment at the end of the run by multiplying the mass of material in the direct supply reservoir and related application equipment at the end of the run by the ending weight fraction VOC in the material for that run. The mass of material in the direct supply reservoir and related application equipment at the end of the run shall be calculated by subtracting the mass of material used in the run from the mass of material in the direct supply reservoir and related application equipment at the start of the run.

(*3*) The mass of the single VOC used (M_i) equals the mass of VOC present in the direct supply reservoir and related application equipment at the start of the run minus the mass of VOC present in the direct supply reservoir and related application equipment at the end of the run.

(G) If Method 25A is used to determine the concentration of the single VOC in the capture system, then calculate the capture efficiency (FC_i) for each run, “i,” as follows:

$$FC_i = \frac{C_i \; \frac{W}{V} \; Q_i}{(M_i)\,(10^6)}$$

Where:

C_i= Average concentration of the single VOC in the capture system during run "i" (parts per million by volume) corrected for background VOC (see §60.547(a)(5)).

W = Molecular weight of the single VOC, mg/mg-mole (lb/lb-mole).

V = The volume occupied by one mole of ideal gas at standard conditions [20 °C, 760 mm Hg] on a wet basis, $2.405 \times 10^{-5} m^3$ /mg-mole (385.3 ft^3 /lb-mole).

Q_i= Volumetric flow in the capture system during run i, on a wet basis, adjusted to standard conditions, m^3 (ft^3) (see §60.547(a)(5)).

10^6 = ppm per unity.

M_i= Mass of the single VOC used during run i, mg (lb).

(H) If Method 25 is used to determine the concentration of the single VOC in the capture system, then calculate the capture efficiency (FC_i) for each run, "i," as follows:

$$FC_i = \frac{\frac{C_i}{(NC)(10^6)} \frac{(W)(Q_i)}{(V)}}{M_i}$$

Where: C_i= Average concentration of the single VOC in the capture system during run "i" (parts per million, as carbon, by volume) corrected for background VOC (see §60.547(a)(5)).

W = Molecular weight of the single VOC, mg/mg-mole (lb/lb-mole).

V = The volume occupied by one mole of ideal gas at standard conditions [20 °C, 760 mm Hg] on a wet basis, $2.405 \times 10^{-5} m^3$ /mg-mole (385.3 ft^3 /lb-mole).

Q_i= Volumetric flow in the capture system during run i, on a wet basis, adjusted to standard conditions, m^3 (ft^3) (see §60.547(a)(5)).

10^6 = ppm per unity.

M_i= Mass of the single VOC used during run i, mg (lb).

NC = Number of carbon atoms in one molecule of the single VOC.

(I) Calculate the average capture efficiency value, $F_c$as follows:

$$F_c = \frac{\sum_{i=1}^{n} FC_i}{n}$$

Where:

"n" equals the number of runs made in the test (n ≥ 3). In cases where an alternative procedure in this paragraph is used, the requirements in paragraphs (f)(2) (ii) and (iii) of this section remain unchanged.

(g) For each undertread cementing operation, each sidewall cementing operation, each green tire spraying operation where organic solvent-based sprays are used, each Michelin-A operation, each Michelin-B operation, and each Michelin-C-automatic operation that uses a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), the owner or operator shall use the following procedure to determine compliance with the percent emission reduction requirement specified under §60.542 (a) (1)(i), (2)(i), (6)(i), (7)(iii), (8)(i), (9)(i), and (10)(i).

(1) For the initial performance test, the overall reduction efficiency (R) shall be determined as prescribed under paragraphs (f)(2) (i) through (iii) of this section. The performance test shall be repeated during conditions described under paragraph (b)(2) of this section. No monthly performance tests are required.

(h) For each tread end cementing operation and each bead cementing operation that uses a VOC emission reduction system with a control device that recovers VOC (e.g., carbon adsorber), the owner or operator shall use the following procedure to determine compliance with the emission limit specified under §60.542(a) (3) and (4).

(1) Calculate the mass of VOC used per tire cemented at the affected facility for the month (G), as specified under paragraphs (d) (1) through (4) of this section, or mass of VOC used per bead cemented at the affected facility for the month (G_b), as specified under paragraphs (e) (1) through (4) of this section.

(2) Calculate the total mass of VOC recovered from the affected facility for the month (M_r):

$M_r = L_r D_r$

(3) Calculate the overall reduction efficiency for the VOC emission reduction system (R) for the month:

$$R = \frac{M_r}{M_o}$$

(4) Calculate the mass of VOC emitted per tire cemented at the affected facility for the month (N) or mass of VOC emitted per bead cemeted at the affected facility for the month (N_b):

$N = G\ (1-R)$

$N_b = G_b(1-R)$

(i) For each undertread cementing operation, each sidewall cemeting operation, each green tire spraying operation where organic solvent-based sprays are used, each Michelin-A operation, each Michelin-B operation, and each Michelin-C-automatic operation that uses a VOC emission reduction system with a control device that recovers (VOC) (e.g., carbon adsorber), the owner or operator shall use the following procedure to determine compliance with the percent reduction requirement specified under §60.542(a) (1)(i), (2)(i), (6)(i), (7)(iii), (8)(i), (9)(i), and (10)(i).

(1) Determine the density and weight fraction VOC as specified under paragraph (c)(1) of this section.

(2) Calculate the total mass of VOC used at the affected facility for the month (M_o) as described under paragraph (c)(2) of this section.

(3) Calculate the total mass of VOC recovered from the affected facility for the month (M_r) as described under paragraph (h)(2) of this section.

(4) Calculate the overall reduction efficiency for the VOC emission reduction system (R) for the month as described under paragraph (h)(3) of this section.

(j) Rather than seeking to demonstrate compliance with the provisions of §60.542(a) (1)(i), (2)(i), (6)(i), (7)(iii), or (9)(i) using the performance test procedures described under paragraphs (g) and (i) of this section, an owner or operator of an undertread cementing operation, sidewall cementing operation, green tire spraying operation where organic solvent-based sprays are used, or Michelin-B operation that use a VOC emission reduction system may seek to demonstrate compliance by meeting the equipment design and performance specifications listed under paragraphs (j)(1), (2), and (4) through (6) or under paragraphs (j)(1) and (3) through (6) of this section, and by conducting a control device efficiency performance test to determine compliance as described under paragraph (j)(7) of this section. The owner or operator shall conduct this performance test of the control device efficiency no later than 180 days after initial startup of the affected facility, as specified under §60.8(a). Meeting the capture system design and performance specifications, in conjunction with operating a 95 percent efficient control device, is an acceptable means of demonstrating compliance with the standard. Therefore, the requirement for the initial performance test on the enclosure, as specified under §60.8(a), is waived. No monthly performance tests are required.

(1) For each undertread cementing operation, each sidewall cementing operation, and each Michelin-B operation, the cement application and drying area shall be contained in an enclosure that meets the criteria specified under paragraphs (j) (2), (4), and (5) of this section; for each green tire spraying operation where organic solvent-based sprays are used, the spray application and drying area shall be contained in an enclosure that meets the criteria specified under paragraphs (j) (3), (4), and (5) of this section.

(2) The drying area shall be enclosed between the application area and the water bath or to the extent necessary to contain all tire components for at least 30 seconds after cement application, whichever distance is less.

(3) Sprayed green tires shall remain in the enclosure for a minimum of 30 seconds after spray application.

(4) A minimum face velocity of 30.5 meters (100 feet) per minute shall be maintained continuously through each permanent opening into the enclosure when all temporary enclosure openings are closed. The cross-sectional area of each permanent opening shall be divided into at least 12 equal areas, and a velocity measurement shall be performed at the centroid of each equal area with an anemometer or similar velocity monitoring device; the face velocity of each permanent opening is the average value of the velocity measurements taken. The monitoring device shall be calibrated and operated according to the manufacturer's instructions.

Temporary enclosure openings shall remain closed at all times except when worker access is necessary.

(5) The total area of all permanent openings into the enclosure shall not exceed the area that would be necessary to maintain the VOC concentration of the exhaust gas stream at 25 percent of the lower explosive limit (LEL) under the following conditions:

(i) The facility is operating at the maximum solvent use rate;

(ii) The face velocity through each permanent opening is 30.5 meters (100 feet) per minute; and

(iii) All temporary openings are closed.

(6) All captured VOC are ducted to a VOC emission control device that is operated on a continuous basis and that achieves at least a 95 percent destruction or recovery efficiency.

(7) The efficiency of the control device (E) for the initial performance test is determined by using values of the volumetric flow rate of each of the gas streams and the VOC content (as carbon) of each of the gas streams in and out of the control device as described under paragraph (f)(2)(ii) of this section. The control device efficiency shall be redetermined during conditions specified under paragraph (b)(3) of this section.

(k) Each owner or operator of an affected facility who initially elected to be subject to the applicable percent emission reduction requirement specified under §60.542(a)(1)(i), (2)(i), (6)(i), (7)(iii), (8)(i), (9)(i), or (10)(i) and who later seeks to comply with the applicable total (uncontrolled) monthly VOC use limit specified under §60.542(a)(1)(ii), (2)(ii), (6)(ii), (7)(iv), (8)(ii), (9)(ii), or (10)(ii) shall demonstrate, using the procedures described under paragraph (c) of this section, that the total VOC use at the affected facility has not exceeded the applicable total (uncontrolled) monthly VOC use limit during each of the last 6 months of operation. The owner or operator shall be subject to the applicable percent emission reduction requirement until the conditions of this paragraph and §60.546(h) are satisfied.

(l) In determining compliance for each undertread cementing operation, each sidewall cementing operation, each green tire spraying operation, each Michelin-A operation, each Michelin-B operation, and each Michelin-C-automatic operation, the owner or operator shall include all the VOC used, recovered, or destroyed from cements and organic solvent-based green tire sprays including those cements or sprays used for tires other than those defined under §60.541(a).

(m) In determining compliance for each tread end cementing operation, each bead cementing operation, and each green tire spraying operation, the owner or operator shall include only those tires defined under §60.541(a) when determining T_o and B_o.

(n) For each undertread cementing operation and each sidewall cementing operation that does not use a VOC emission reduction system, the owner or operator shall use the following procedure to determine compliance with the VOC emission per tire limit specified in §60.542a:

(1) Calculate the total mass of VOC (M_o) used at the affected facility for the month by the following procedure.

(i) For each affected facility for which cement is delivered in batch or via a distribution system which serves only that affected facility:

$$M_o = \sum_{i=1}^{n} L_{ci} D_{ci} W_{oi}$$

Where: “n” equals the number of different cements or sprays used during the month.

(ii) For each affected facility for which cement is delivered via a common distribution system which also serves other affected or existing facilities.

(A) Calculate the total mass (M) of VOC used for all of the facilities served by the common distribution system for the month:

$$M = \sum_{i=1}^{n} L_{ci} D_{ci} W_{oi}$$

Where: “n” equals the number of different cements or sprays used during the month.

(B) Determine the fraction (F_o) of “M” used by the affected facility by comparing the production records and process specifications for the material cemented at the affected facility for the month to the production records and process specifications for the material cemented at all other facilities served by the common distribution system for the month or by another procedure acceptable to the Administrator.

(C) Calculate the total monthly mass of VOC(M_o) used at the affected facility:

$$M_o = MF_o$$

(2) Determine the total number of tires (T_o) processed at the affected facility for the month by the following procedure.

(i) For undertread cementing, $T_o$equals the number of tread or combined tread/sidewall components which receive an application of undertread cement.

(ii) For sidewall cementing, $T_o$equals the number of sidewall components which receive an application of sidewall cement, divided by 2.

(3) Calculate the mass of VOC used per tire processed (G) by the affected facility for the month:

$$G = \frac{M_o}{T_o}$$

(4) Calculate the mass of VOC emitted per tire processed (N) for the affected facility for the month:

$$N = G$$

(5) Where the value of the mass of VOC emitted per tire processed (N) is less than or equal to the VOC emission per tire limit specified under §60.542a, the affected facility is in compliance.

[52 FR 34874, Sept. 15, 1987; 52 FR 37874, Oct. 9, 1987, as amended at 54 FR 38635, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]

§ 60.544 Monitoring of operations.

(a) Each owner or operator subject to the provisions of this subpart shall install, calibrate, maintain, and operate according to manufacturer's specifications the following equipment, unless alternative monitoring procedures or requirements are approved for that facility by the Administrator:

(1) Where a thermal incinerator is used for VOC emission reduction, a temperature monitoring device equipped with a continuous recorder for the temperature of the gas stream in the combustion zone of the incinerator. The temperature monitoring device shall have an accuracy of 1 percent of the temperature being measured in °C or ±0.5 °C, whichever is greater.

(2) Where a catalytic incinerator is used for VOC emission reduction, temperature monitoring devices, each equipped with a continuous recorder, for the temperature in the gas stream

immediately before and after the catalyst bed of the incinerator. The temperature monitoring devices shall have an accuracy of 1 percent of the temperature being measured in °C or ±0.5 °C, whichever is greater.

(3) For an undertread cementing operation, sidewall cementing operation, green tire spraying operation where organic solvent-based sprays are used, or Michelin-B operation where a carbon adsorber is used to meet the performance requirements specified under §60.543(j)(6), an organics monitoring device used to indicate the concentration level of organic compounds based on a detection principle such as infrared, photoionization, or thermal conductivity, equipped with a continous recorder, for the outlet of the carbon bed.

(b) An owner or operator of an undertread cementing operation, sidewall cementing operation, green tire spraying operation where organic solvent-based sprays are used, or Michelin-B operation where a VOC recovery device other than a carbon adsorber is used to meet the performance requirements specified under §60.543(j)(6), shall provide to the Administrator information describing the operation of the control device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Administrator may request further information and will specify appropriate monitoring procedures or requirements.

[52 FR 34874, Sept. 15, 1987, as amended at 65 FR 61765, Oct. 17, 2000]

§ 60.545 Recordkeeping requirements.

(a) Each owner or operator of an affected facility that uses a thermal incinerator shall maintain continuous records of the temperature of the gas stream in the combustion zone of the incinerator and records of all 3–hour periods of operation for which the average temperature of the gas stream in the combustion zone was more than 28 °C (50 °F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance.

(b) Each owner or operator of an affected facility that uses a catalytic incinerator shall maintain continuous records of the temperature of the gas stream both upstream and downstream of the catalyst bed of the incinerator, records of all 3-hour periods of operation for which the average temperature measured before the catalyst bed is more than 28 °C (50 °F) below the gas stream temperature measured before the catalyst bed during the most recent determination of destruction efficiency of the catalytic incinerator that demonstrated that the affected facility was in compliance, and records of all 3-hour periods for which the average temperature difference across the catalyst bed is less than 80 percent of the temperature difference measured during the most recent determination of the destruction efficiency of the catalytic incinerator that demonstrated that the affected facility was in compliance.

(c) Each owner or operator of an undertread cementing operation, sidewall cementing operation, green tire spraying operation where organic solvent-based sprays are used, or Michelin-B operation that uses a carbon adsorber to meet the requirements specified under §60.543(j)(6) shall maintain continuous records of all 3-hour periods of operation during which the average VOC concentration level or reading of organics in the exhaust gases is more than 20 percent greater than the exhaust gas concentration level or reading measured by the organics monitoring device during the most recent determination of the recovery efficiency of the carbon adsorber that demonstrated that the affected facility was in compliance.

(d) Each owner or operator of an undertread cementing operation, sidewall cementing operation, green tires spraying operation where organic solvent-based sprays are used, Michelin-A operation, Michelin-B operation, or Michelin-C-automatic operation who seeks to comply with a specified VOC monthly usage limit shall maintain records of monthly VOC use and the number of days in each compliance period.

(e) Each owner or operator that is required to conduct monthly performance tests, as specified under §60.543(b)(1), shall maintain records of the results of all monthly tests.

(f) Each owner or operator of a tread end cementing operation and green tire spraying operation using water-based cements or sprays containing less than 1.0 percent by weight of VOC, as specified under §60.543(b)(4), shall maintain records of formulation data or the results of Method 24 analysis conducted to verify the VOC content of the spray.

[52 FR 34874, Sept. 15, 1987, as amended at 54 FR 38637, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]

§ 60.546 Reporting requirements.

(a) Each owner or operator subject to the provisions of this subpart, at the time of notification of the anticipated initial startup of an affected facility pursuant to §60.7(a)(2), shall provide a written report to the Administrator declaring for each undertread cementing operation, each sidewall cementing operation, each green tire spraying operation where organic solvent-based sprays are used, each Michelin-A operation, each Michelin-B operation, and each Michelin-C automatic operation the emission limit he intends to comply with and the compliance method (where §60.543(j) is applicable) to be employed.

(b) Each owner or operator subject to the provisions of this subpart, at the time of notification of the anticipated initial startup of an affected facility pursuant to §60.7(a)(2), shall specify the monthly schedule (each calendar month or a 4-4-5-week schedule) to be used in making compliance determinations.

(c) Each owner or operator subject to the provisions of this subpart shall report the results of all initial performance tests, as required under §60.8(a), and the results of the performance tests required under §60.543 (b)(2) and (b)(3). The following data shall be included in the report for each of the above performance tests:

(1) For each affected facility for which the owner or operator seeks to comply with a VOC monthly usage limit specified under §60.542(a): The monthly mass of VOC used (M_o) and the number of days in the compliance period (T_d).

(2) For each affected facility that seeks to comply with a VOC emission limit per tire or per bead specified under §60.542(a) without the use of a VOC emission reduction system: the mass of VOC used (M_o), the number of tires cemented or sprayed (T_o), the mass of VOC emitted per tire cemented or sprayed (N), the number of beads cemeted (B_o), and the mass of VOC emitted per bead cemented (N_b).

(3) For each affected facility that uses a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator) to comply with a VOC emission limit per tire or per bead specified under §60.542(a): The mass of VOC used (M_o), the number of tires cemented or sprayed (T_o), the mass of VOC emitted per tire cemented or sprayed (N), the number of beads cemented (B_o), the mass of VOC emitted per bead cemented (N_b), the mass of VOC used per tire cemented or sprayed (G), the mass of VOC per bead cemented (G_b), the emission control device efficiency (E), the capture system efficiency (F_c), the face velocity through each permanent opening for the capture system with the temporary openings closed, and the overall system emission reduction (R).

(4) For each affected facility that uses a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator) to comply with a percent emission reduction requirement specified under §60.542(a): The emission control device efficiency (E), the capture system

efficiency (F_c), the face velocity through each permanent opening in the capture system with the temporary openings closed, and the overall system emission reduction (R).

(5) For each affected facility that uses a carbon adsorber to comply with a VOC emission limit per tire or per bead specified under §60.542(a): The mass of VOC used (M_o), the number of tires cemented or sprayed (T_o), the mass of VOC used per tire cemented or sprayed (G), the number of beads cemented (B_o), the mass of VOC used per bead (G_b), the mass of VOC recovered (M_r), the overall system emission reduction (R), the mass of VOC emitted per tire cemented or sprayed (N), and the mass of VOC emitted per bead cemented (N_b).

(6) For each affected facility that uses a VOC emission reduction system with a control device that recovers VOC (e.g., carbon adsorber) to comply with a percent emission reduction requirement specified under §60.542(a): The mass of VOC used (M_o), the mass of VOC recovered (M_r), and the overall system emission reduction (R).

(7) For each affected facility that elects to comply with the alternate limit specified under §60.542a: The mass of VOC used (M_o), the number of tires processed (T_o), and the mass of VOC emitted per tire processed (N).

(d) Each owner or operator of an undertread cementing operation, sidewall cementing operation, green tire spraying operation where organic solvent-based sprays are used, or Michelin-B operation who seeks to comply with the requirements described under §60.543(j) shall include in the initial compliance report a statement specifying, in detail, how each of the equipment design and performance specifications has been met. The initial compliance report also shall include the following data: The emission control device efficiency (E), the face velocity through each permanent enclosure opening with all temporary enclosure openings closed, the total area of all permanent enclosure openings, the total area of all temporary enclosure openings, the maximum solvent use rate (kg/hr or lb/hr), the type(s) of VOC used, the lower explosive limit (LEL) for each VOC used, and the length of time each component is enclosed after application of cement or spray material.

(e) Each owner or operator of an affected facility shall include the following data measured by the required monitoring device(s), as applicable, in the report for each performance test specified under paragraph (c) of this section.

(1) The average combustion temperature measured at least every 15 minutes and averaged over the performance test period of incinerator destruction efficiency for each thermal incinerator.

(2) The average temperature before and after the catalyst bed measured at least every 15 minutes and averaged over the performance test period of incinerator destruction efficiency for each catalytic incinerator.

(3) The concentration level or reading indicated by the organics monitoring device at the outlet of the adsorber, measured at least every 15 minutes and averaged over the performance test period of carbon adsorber recovery efficiency while the vent stream is normally routed and constituted.

(4) The appropriate data to be specified by the Administrator where a VOC recovery device other than a carbon adsorber is used.

(f) Once every 6 months each owner or operator subject to the provisions of §60.545 shall report, as applicable:

(1) Each monthly average VOC emission rate that exceeds the VOC emission limit per tire or per bead specified under §60.542(a), as applicable for the affected facility.

(2) Each monthly average VOC use rate that exceeds the monthly VOC usage limit specified under §60.542(a), as applicable for the affected facility.

(3) Each monthly average VOC emission reduction efficiency for a VOC recovery device (e.g., carbon adsorber) less than the percent efficiency limit specified under §60.542(a), as applicable for the affected facility.

(4) Each 3-hour period of operation for which the average temperature of the gas stream in the combustion zone of a thermal incinerator, as measured by the temperature monitoring device, is more than 28 °C (50 °F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance.

(5) Each 3-hour period of operation for which the average temperature of the gas stream immediately before the catalyst bed of a catalytic incinerator, as measured by the temperature monitoring device, is more than 28 °C (50 °F) below the gas stream temperature measured before the catalyst bed during the most recent determination of the destruction efficiency of the catalyst incinerator that demonstrated that the affected facility was in compliance, and any 3-hour period for which the average temperature difference across the catalyst bed (i.e., the difference between the temperatures of the gas stream immediately before and after the catalyst bed), as measured by the temperature monitoring device, is less than 80 percent of the temperature difference measured during the most recent determination of the destruction efficiency of the catalytic incinerator that demonstrated that the affected facility was in compliance.

(6) Each 3-hour period of operation during which the average concentration level or reading of VOC's in the exhaust gases from a carbon adsorber is more than 20 percent greater than the exhaust gas concentration level or reading measured by the organics monitoring device during the most recent determination of the recovery efficiency of the carbon adsorber that demonstrated that the affected facility was in compliance.

(g) The requirements for semiannual reports remain in force until and unless EPA, in delegating enforcement authority to a State under Section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with these requirements, provided that they comply with the requirements established by the State.

(h) Each owner or operator of an affected facility who initially elected to be subject to the applicable percent emission reduction requirement specified under §60.542(a) and who later seeks to comply with the applicable total (uncontrolled) monthly VOC use limit specified under §60.542(a) and who has satisfied the provisions specified under §60.543(k) shall furnish the Administrator written notification no less than 30 days in advance of the date when he intends to be subject to the applicable VOC use limit instead of the applicable percent emission reduction requirement.

(i) The owner or operator of each undertread cementing operation and each sidewall cementing operation who qualifies for the alternate provisions as described in §60.542a, shall furnish the Administrator written notification of the election no less than 60 days after September 19, 1989.

(j) The owner or operator of each tread end cementing operation and each green tire spraying (inside and/or outside) operation using water-based sprays containing less than 1.0 percent, by weight, of VOC as described in §60.543(b)(1) shall furnish the Administrator, within 60 days initially and annually thereafter, formulation data or Method 24 results to verify the VOC content of the water-based sprays in use. If the spray formulation changes before the end of the 12-month period, formulation data or Method 24 results to verify the VOC content of the spray shall be reported within 30 days of the change.

[52 FR 34874, Sept. 15, 1987; 52 FR 37874, Oct. 9, 1987, as amended at 54 FR 38637, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]

§ 60.547 Test methods and procedures.

(a) The test methods in appendix A to this part, except as provided under §60.8(b), shall be used to determine compliance with §60.542(a) as follows:

(1) Method 24 or formulation data for the determination of the VOC content of cements or green tire spray materials. In the event of dispute, Method 24 shall be the reference method. For Method 24, the cement or green tire spray sample shall be a 1-liter sample collected in a 1-liter container at a point where the sample will be representative of the material as applied in the affected facility.

(2) Method 25 as the reference method for the determination of the VOC concentrations in each stack, both entering and leaving an emission control device. The owner or operator shall notify the Administrator at least 30 days in advance of any test by Method 25. For Method 25, the sampling time for each of three runs shall be at least 1 hour. Method 1 shall be used to select the sampling site, and the sampling point shall be the centroid of the duct or at a point no closer to the walls than 1.0 meter (3.3 feet). The minimum sample volume shall be 0.003 dry standard cubic meter (dscm) (0.11 dry standard cubic feet (dscf)) except that shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Administrator.

(3) Method 2, 2A, 2C, or 2D, as appropriate, as the reference method for determination of the flow rate of the stack gas. The measurement site shall be the same as for the Method 25 sampling. A velocity traverse shall be made once per run within the hour that the Method 25 sample is taken.

(4) Method 4 for determination of stack gas moisture.

(5) Method 25 or Method 25A for determination of the VOC concentration in a capture system prior to a control device when only a single VOC is present (see §60.543 (f)(2)(iv)(G) and (f)(2)(iv)(H)). The owner or operator shall notify the Administrator at least 30 days in advance of any test by either Method 25 or Method 25A. Method 1 shall be used to select the sampling site and the sampling point shall be the centroid of the duct or at a point no closer to the walls than 1.0 meter (3.3 feet). Method 2, 2A, 2C, or 2D, as appropriate, shall be used as the test method for the concurrent determination of gas flow rate in the capture system.

(i) For Method 25, the sampling time for each run shall be at least 1 hour. For each run, a concurrent sample shall be taken immediately upwind of the application area to determine the background VOC concentration of air drawn into the capture system. Subtract this reading from the reading obtained in the capture system for that run. The minimum sample volume shall be 0.003 dry standard cubic meter (dscm) (0.11 dry standard cubic feet (dscf)) except that shorter sampling times or smaller volumes, when necessitated by process variable or other factors, may be approved by the Administrator. Use Method 3 to determine the moisture content of the stack gas.

(ii) For Method 25A, the sampling time for each run shall be at least 1 hour. Instrument calibration shall be performed by the procedure given in Method 25A using the single VOC present in the capture system. A different calibration gas may be used if the results are corrected using an experimentally determined response factor comparing the alternative calibration gas to the single VOC used in the process. After the instrument has been calibrated, determine the background VOC concentration of the air drawn into the capture system immediately upwind of the application area for each run. The instrument does not need to be recalibrated for the background

measurement. Subtract this reading from the reading obtained in the capture system for that run. The Method 25A results shall only be used in the alternative procedure for determination of capture efficiency described under §60.543(f)(2)(iv)(G).

[52 FR 34874, Sept. 15, 1987, as amended at 54 FR 38638, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]

§ 60.548 Delegation of authority.

(a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.

(b) Authority which will not be delegated to States: §60.543(c)(2)(ii)(B).

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Permit Modification

Source Description and Location

Source Name:	BF Goodrich Tire Manufacturing
Source Location:	18906 Highway 24 East, Woodburn, Indiana 46797-0277
County:	Allen
SIC Code:	3011
Operation Permit No.:	T003-20341-00008
Operation Permit Issuance Date:	September 3, 2008
Significant Permit Modification No.:	003-29089-00008
Permit Reviewer:	Stephanie Wilkerson

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. 003-20341-00008 on September 3, 2008. The source has since received the following approvals:

(a) Significant Source Modification No. 003-26320-00008, issued on September 4, 2008.

(b) Significant Permit Modification No. 003-26647-00008, issued on September 23, 2008.

County Attainment Status

The source is located in Allen County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Attainment effective February 12, 2007, for the Fort Wayne area, including Allen County, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for $PM_{2.5}$.	

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$
Allen County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions, and the effective date of these rules is July 15, 2008. Indiana has three (3) years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants
Allen County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD or Part 70 Permit applicability.

Source Status

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because regulated pollutants are emitted at a rate of 250 tons per year or more, and it is not one (1) of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) received a Significant Permit Modification application from BF Goodrich Tire Manufacturing on March 18, 2010, and revised on June 15, 2010, to create synthetic PSD minor limits relating to the operation of a stationary rubber tire manufacturing facility. BF Goodrich Tire Manufacturing was issued Part 70 Operating Permit Renewal No. 003-20341-00008 on September 3, 2008.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

There is no increase in the potential to emit of any regulated pollutants associated with this modification.

The modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), as case-by-case emissions limits are applied.

Permit Level Determination – PSD

The source was considered a major PSD source as the unrestricted potential to emit of SO_2, NO_X, and VOCs are greater than 250 tons per year. However, this source has elected to limit the potential to emit of the source as follows:

(a) The emissions of SO_2 from Boilers #1, #2, #3, and #5, and all space heaters in the facility shall not exceed 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(1) The one (1) boiler, with a maximum heat input capacity of 52 MMBtu/hr, identified as Boiler #3, shall only use natural gas.

(2) The three (3) boilers, with maximum heat input capacities of 52, 52, and 130 MMBtu/hr, identified as Boilers #1, #2, and #5, respectively, shall use any combination of natural gas, #2 fuel oil, and #6 fuel oil.

(3) The sulfur content for #2 and #6 fuel oil shall not exceed 1.5%.

(b) The emissions of NO_X from Boilers #1, #2, #3, and #5, and all space heaters in the facility shall not exceed 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from the source is less than 250 tons of SO_2 and NO_X per year and render the requirements of 326 IAC 2-2 not applicable.

(c) The total emissions of VOC from the one (1) Banbury mixing area, identified as EU-02, the one (1) white sidewall (WSW) grinder and tire uniformity optimizer (TUO) module area, the one (1) component preparation area, identified as EU-03, the one (1) tire curing process, identified as EU-05, the one (1) tread end cementing process, identified as EU-04, the one (1) green tire spray operation, the one (1) protectant spray operation, and the source-wide solvent use shall not exceed 243.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this emission limit, combined with the potential VOC emissions from combustion sources at the facility, will ensure that the potential to emit from the source is less than 250 tons of VOC per year and render the requirements of 326 IAC 2-2 not applicable.

Emissions Calculations

The source provided emissions calculations under a claim of business confidentiality. IDEM, OAQ has reviewed these calculations and considers them correct at the time of review.

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of SPM003-29089-00008 (tons/year)						
	PM	PM_{10}*	$PM_{2.5}$	SO_2	NO_X	VOC	CO
Carbon Black Transfer (EU-01)	9.06	9.06	N/A	-	-	-	-
Banbury Mixing Area (EU-02)	3.71	3.71	N/A	-	-	<243.2	-
Component Prep Area (EU-03)	-	-	-	-	-		-
Tread End Cementing Process (EU-04) & Misc. Solvent Use	-	-	-	-	-		-
Tire Curing (EU-05)	-	-	-	-	-		-
WSW Grinding and TUO Optimization Area (EU-06)	4.04	1.85	N/A	-	-		-
Green Tire Spray	0.94	0.94	N/A	-	-		-
Protectant Spray	3.31	3.31	N/A	-	-		-
Combustion Sources, including Boilers #1, #2, #3, and #5	126.4	110.2	75.3	<249.9	<249.9	6.7	102.7
Limited PTE of Entire Source	**147.46**	**129.07**	**75.3**	**<250**	**<250**	**<250**	**102.7**
PSD Major Source Thresholds	250	250	250	250	250	250	250

*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM_{10}), not particulate matter (PM), is considered as a "regulated air pollutant".

Federal Rule Applicability Determination

There are no changes to federal rule applicability due to this modification.

State Rule Applicability Determination

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
PSD applicability is discussed under the Permit Level Determination – PSD section.

326 IAC 2-6 (Emission Reporting)
This source has accepted limits to keep VOC, SO_2, and NO_X below the PSD threshold of 250 tons per year, each. Therefore, the source is now required to submit emission statements on a triennial basis, rather than annually. An emission statement shall be submitted in accordance with the compliance schedule in 326 IAC 2-6-3 by July 1, 2013, and every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal

rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Changes to the compliance determination and monitoring requirements are detailed in the Proposed Changes section of this document.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit Renewal No. 003-20341-00008. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**. The Table of Contents for the permit will be updated as appropriate and without replication herein.

Modification 1: The creation of the source-wide PSD minor limit for VOC eliminates the need for the established project-specific PSD minor limits in Conditions D.1.1 and D.3.1. These Conditions are removed from the permit as follows.

~~D.1.1 PSD Minor Limits [326 IAC 2-2]~~

~~In order to render the requirements of 326 IAC 2-2 (PSD) not applicable to the Banbury mixing area or the tire curing process, the Permittee shall:~~

~~1) limit the input of silane binder, degussa X 50-S or equivalent, to the Banbury mixing area and tire curing process to less than 467,800 lb per twelve consecutive month period with compliance determined at the end of each month; and~~

~~2) ethanol emissions shall not exceed 0.171 pounds of ethanol per pound of silane input to the Banbury mixing area and tire curing process.~~

...

~~D.3.1 PSD Minor Limits [326 IAC 2-2]~~

~~(a) VOC emissions from the twenty-six (26) curing presses installed under SPM 003-24944-00008 and SSM 003-24784-00008 shall not exceed 0.67 lb VOC per ton rubber cured.~~

~~(b) Total rubber cured in the twenty-six (26) curing presses installed under SPM 003-24944-00008 and SSM 003-24784-00008 shall not exceed 25,575 tons per twelve (12) consecutive month period with compliance determined at the end of each month.~~

~~(c) VOC emissions from the Tread End Cementers shall be directed to either one of the four (4) process boilers for destruction in order to achieve a reduction in the VOC emissions by 2 tons per twelve (12) month period.~~

~~(d) Silane binder shall not be used on any curing press approved for construction under significant source modification No. 003-24784-00008 and operation under significant permit modification No. 003-24944-00008. Specifically, silane binder shall not be used in curing presses F01 to F20 and J11 to J16.~~

~~Compliance with this condition shall render the requirements of 326 IAC 2-2, Prevention of~~

~~Significant Deterioration not applicable to SSM 003-20073-00008 and SPM 003-21271-00008, SSM 003-24784-00008 and SPM 003-24944-00008, as well as SSM 003-26320-00008 and SPM 003-26647-00008, respectively.~~

Modification 2: The Compliance Determination, Compliance Monitoring, Record Keeping, and Reporting requirements associated with the pre-existing PSD limits are removed from Sections D.1 and D.3. Any requirements of 40 CFR 64 (CAM) that were based on the need to control VOC as part of a previously-issued PSD Minor limit and not the new limit have been removed from the permit as well.CAM applicability is partially based on the use of a control device to comply with a limit. Since this requirement no longer exists in the permit, CAM is no longer applicable to the Tread End Cementer. The permit is changed as follows:

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.8 Record Keeping Requirement

...

~~(c) To document compliance with Condition D.1.1, the Permittee shall maintain records of the input of silane binder to the tire curing process and Banbury mixing area. Records shall include inventory usage records, purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount of binder used.~~

...

~~D.1.9 Reporting Requirement~~

~~An annual summary of the information used to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the year being reported.~~

~~D.3.5 Volatile Organic Compounds (VOC)~~

~~The Permittee shall operate either one of the four boilers to control the Tread End Cementers at all times in order to achieve compliance with condition D.3.1.~~

~~D.3.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]~~

~~In order to demonstrate compliance with Condition D.3.1(a) and (c), the Permittee shall conduct a performance test to verify the capture system and VOC emission reduction from the Tread End Cementers controlled by either one of the four (4) process boilers utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing. This test shall be repeated at least once every five (5) years from February 8-14, 2006, the date of the most recent valid compliance demonstration.~~

~~**Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]**~~

~~D.3.7 Boilers Operating Temperature [40 CFR 64]~~

~~(a) A continuous monitoring system shall be calibrated, maintained, and operated on either one of the four boilers used to control VOC emissions from the Tread End Cementing operation for measuring operating temperature. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as three (3) hour average. The Permittee shall take appropriate response steps in accordance with Section C – Response to Excursions and Exceedances whenever the three (3) hour average temperature of the boiler used to control emissions from the Tread End Cementers is below 951°F until a temperature is established during the latest stack test, is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions and Exceedances shall be considered a deviation from this permit.~~

~~(b) The Permittee shall determine the three (3) hour average temperature from the most recent valid stack test that demonstrates compliance the VOC emission reduction in Condition D.3.1 as approved by IDEM. This temperature shall be used for compliance~~

~~with condition D.3.7(a).~~

~~(c) On and after the date the approved stack test results are available, the Permittee shall take appropriate response steps in accordance with Section C - Response to Excursions or Exceedances whenever the three (3) hour average temperature of either of the four boilers used is below the three (3) hour average temperature as observed during the compliant stack test. A three (3) hour average temperature that is below the three (3) hour average temperature as observed during the compliant stack test is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.~~

~~D.3.8 Parametric Monitoring [40 CFR 64]~~

~~The Permittee shall record the fan amperage of the capture system used in conjunction with the tread end cementer at least once per day when the tread end cementing process is in operation. When for any one reading, the fan amperage is outside the normal operating range of 6.8 to 7.2 amps or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A fan amperage that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.~~

~~Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]~~

~~D.3.9 Record Keeping Requirement~~

~~(a) To document compliance with Conditions D.3.7 and D.3.8, the Permittee shall maintain records in accordance with (1) and (3) below. Records maintained for (1) through (3) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC emissions limit in Condition D.3.1.~~

~~(1) The continuous temperature records (reduced to a three-hour average basis) from any of the four boilers that controls the VOC emissions from the Tread End. Cementers and the three (3) hour average temperature used to demonstrate compliance during the most recent compliant stack test.~~

~~(2) Daily record of the duct pressure, fan amperage, or air flow.~~

~~(3) The Permittee shall include in its daily record when a temperature, duct pressure, fan amperage, or air flow reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).~~

~~(b) To document compliance with D.3.1(b), the Permittee shall maintain a record of the total tons of rubber cured on the twenty-six (26) curing presses installed under SPM 003-24944-00008 and SSM 003-24784-00008.~~

~~(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

~~D.3.10 Reporting Requirements~~

~~An annual summary of the information used to document compliance with Condition D.3.1(b) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the year being reported.~~

Modification 3: The reporting forms associated with the removed PSD limits are removed from the permit as follows:

~~INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT~~
~~OFFICE OF AIR QUALITY~~
~~COMPLIANCE DATA SECTION~~

~~Part 70 Annual Report~~

~~Source Name: BF Goodrich Tire Manufacturing~~
~~Source Address: 18906 HIghway 24 East, Woodburn, Indiana 46797~~
~~Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277~~
~~Part 70 Permit No.: T003-20341-00008~~
~~Facility: Tire Curing Presses~~
~~Parameter: Total Tons of Tires Cured~~
~~(Presses installed by SM 003-24784-00008 and SPM 003-24944-00008)~~
~~Limit: Less than 25,575 tons per twelve (12) consecutive month period, with compliance determined at the end of each month~~

~~YEAR:~~ _____

~~Month~~	~~Column 1~~	~~Column 2~~	~~Column 1 + Column 2~~
	~~Total Tons Cured This Month~~	~~Total Tons Cured Previous 11 Months~~	~~Total Tons Cured 12 Month Total~~
~~Month 1~~			
~~Month 2~~			
~~Month 3~~			
~~Month 4~~			
~~Month 5~~			
~~Month 6~~			
~~Month 7~~			
~~Month 8~~			
~~Month 9~~			
~~Month 10~~			
~~Month 11~~			
~~Month 12~~			

~~☐ No deviation occurred in this quarter.~~
~~☐ Deviation/s occurred in this quarter.~~
~~Deviation has been reported on:~~ _____

~~Submitted by:~~ _____

~~Title / Position:~~ _____

~~Signature:~~ _____

~~Date:~~ _____

~~Phone:~~ _____

~~Attach a signed certification to complete this report.~~

~~INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT~~
~~OFFICE OF AIR QUALITY~~
~~COMPLIANCE DATA SECTION~~

~~Part 70 Annual Report~~

~~Source Name: BF Goodrich Tire Manufacturing~~
~~Source Address: 18906 HIghway 24 East, Woodburn, Indiana 46797~~
~~Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277~~
~~Part 70 Permit No.: T003-20341-00008~~
~~Facility: Banbury Mixing Area and Tire Curing Process~~
~~Parameter: Silane Binder Input~~
~~Limit: Less than 467,800 lb per twelve (12) consecutive month period, with compliance determined at the end of each month.~~

~~YEAR: _____~~

~~Reporting Period~~	~~Column 1~~	~~Column 2~~	~~Column 1 + Column 2~~
	~~Silane Input This Month~~	~~Silane Input Previous 11 Months~~	~~Silane Input 12 Month Total~~
~~Month 1~~			
~~Month 2~~			
~~Month 3~~			
~~Month 4~~			
~~Month 5~~			
~~Month 6~~			
~~Month 7~~			
~~Month 8~~			
~~Month 9~~			
~~Month 10~~			
~~Month 11~~			
~~Month 12~~			

~~☐ No deviation occurred in this quarter.~~
~~☐ Deviation/s occurred in this quarter.~~
~~Deviation has been reported on: _____~~

~~Submitted by: _____~~

~~Title / Position: _____~~

~~Signature: _____~~

~~Date: _____~~

~~Phone: _____~~

~~Attach a signed certification to complete this report.~~

Modification 4: To consolidate similar emissions units and requirements, the remainder of Section D.3 is combined into Section D.1. To document this, the requirements of Section D.3 are struck from the permit and added as new in Section D.1. Additionally, the ten (10) presses permitted but not constructed by the source in 2007 have been removed from the Emissions Unit Description in both Section A.2

and Section D.1.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

...

(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and ~~26~~ **sixteen (16)** presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

...

~~**SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS**~~

~~**Emissions Unit Description:**~~

~~(d) One (1) component preparation area, identified as EU-03, which includes milling, extruding, and calendaring, constructed prior to 1974 with one mill constructed in 2007, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendaring and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330, and 415. This unit is an affected facility under 40 CFR 63, Subpart XXXX.~~

~~(e) One (1) tire building area, constructed in 1961, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stack 279. This unit is an affected facility under 40 CFR 63, Subpart XXXX.~~

~~(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and 26 presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.~~

~~(h) One (1) tread end cementing process consisting of lines #1 and #2, identified as EU-04, with a maximum production capacity of 2,081 tires per hour or 33,646 pounds per hour, constructed in 1961 and modified in 1990 and 1996, using particulate baffle filters, exhausting to one of the four process boilers to control VOC. This unit is an affected facility under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.~~

~~(i) Miscellaneous solvent usage.~~

~~**Insignificant Activities:**~~

~~(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.~~

~~(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.~~

~~(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)~~

...

~~D.3.2 Particulate [326 IAC 6-3-2]~~

~~(a) Pursuant to 326 IAC 6-3-2, particulate emissions from the tread end cementing operations shall not exceed 27.1 pounds per hour when operating at a process weight of~~

~~33,646 pounds per hour.~~

~~Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:~~

~~$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour and P = process weight rate in tons per hour.~~

~~(b) Pursuant to 326 IAC 6-3-2, particulate emissions from the protectant spray operation shall be controlled by particulate baffle filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.~~

~~(c) Pursuant to 326 IAC 6-3-2(d), particulate emissions from each of the green tire spraying booths shall be controlled by particulate baffle filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.~~

~~D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their emission control devices.~~

~~**Compliance Determination Requirements**~~

~~D.3.4 Particulate Control [326 IAC 2-7-6(6)]~~

~~In order to comply with Condition D.3.2, the baffle filters for particulate control shall be in operation and control emissions at all times the tread end cementers are in operation.~~

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) carbon black unloading area, identified as EU-01, installed in 1961 and modified in 1996, with a maximum capacity of 18,916 pounds per hour, using four baghouses as control, exhausting at stacks 356 A - D. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(b) One (1) Banbury mixing area, identified as EU-02, consisting of three (3) mixers operating in series, constructed in 1961 and modified in 1968 and 2007, with a maximum capacity of 46,974 pounds of rubber, carbon black, and chemicals per hour, using three (3) baghouses for control and exhausting at stacks 197, 200, 201 to 203, 208, 210, 211, 216, 286, and 414.

(d) One (1) component preparation area, identified as EU-03, which includes milling, extruding, and calendaring, constructed prior to 1974 with one mill constructed in 2007, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendaring and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330, and 415. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(e) One (1) tire building area, constructed in 1961, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stack 279. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and ~~26~~ sixteen (16) presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(g) One (1) white side wall (WSW) grinding and tire uniformity optimizer (TUO) Module Area, constructed in 1961 and modified in 2003, with a maximum capacity of 35,467 pounds per hour for WSW grinding and 7,093 pounds per hour for TUO operations, using centrifugal separators as control, exhausting at stacks 258-261, and 265-277. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(h) One (1) tread end cementing process consisting of lines #1 and #2, identified as EU-04, with a maximum production capacity of 2,081 tires per hour or 33,646 pounds per hour, constructed in 1961 and modified in 1990 and 1996, using particulate baffle filters, exhausting to one of the four process boilers to control VOC. This unit is an affected facility under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(i) Miscellaneous solvent usage.

Insignificant Activities:

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

...

D.1.2 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, particulate emissions shall be limited as follows:

(a) Carbon black unloading shall not exceed 18.48 pounds per hour when operating at a process weight rate of 18,916 pounds per hour.

(b) Banbury mixing shall not exceed 33.98 pounds per hour when operating at a process weight rate of 46,974 pounds per hour.

(c) WSW grinding shall not exceed 28.15 pounds per hour when operating at a process weight rate of 35,467 pounds per hour.

(d) The TUO module area shall not exceed 9.58 pounds per hour when operating at a process weight rate of 7,093 pounds per hour.

(e) Pursuant to 326 IAC 6-3-2, particulate emissions from the tread end cementing operations shall not exceed 27.1 pounds per hour when operating at a process weight of 33,646 pounds per hour.

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

(f) Pursuant to 326 IAC 6-3-2(d), particulate emissions from the protectant spray operation shall be controlled by particulate baffle filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(g) Pursuant to 326 IAC 6-3-2(d), particulate emissions from each of the green tire spraying booths shall be controlled by particulate baffle filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

...

Compliance Determination Requirements

D.1.4 Particulate Control

(a) In order to comply with condition D.1.2, the dust collectors, baghouses, and centrifugal separators for particulate control shall be in operation and control emissions from the carbon black unloading, Banbury mixing, WSW grinding and TUO Module Area at all times that the facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(c) In order to comply with Condition D.~~3.2~~ 1.2(f) and (g), the baffle filters for particulate control shall be in operation and control emissions at all times the tread end cementers are in operation.

...

Modification 5: The source-wide PSD minor limit for VOC is incorporated into Section D.1 as follows:

...

D.1.1 PSD Minor Limits [326 IAC 2-2]

The total VOC emissions from the one (1) Banbury mixing area, identified as EU-02, the one (1) white sidewall (WSW) grinder and tire uniformity optimizer (TUO) module area, the one (1) component preparation area, identified as EU-03, the one (1) tire curing process, identified as EU-05, the one (1) tread end cementing process, identified as EU-04, the one (1) green tire spray operation, the one (1) protectant spray operation, and the source-wide solvent use shall not exceed 243.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this emission limit, combined with the potential VOC emissions from combustion sources at the facility, will ensure that the potential to emit from the source is less than 250 tons of VOC per year and render the requirements of 326 IAC 2-2 not applicable.

...

Modification 6: The source-wide PSD minor limit for VOC requires the following changes to the Compliance Determination, Record Keeping, and Reporting conditions of Section D.1:

Compliance Determination Requirements

D.1.4 Volatile Organic Compound (VOC) Emissions Determination

(a) The Permittee shall calculate VOC emissions (in tons) each calendar month using the appropriate equation below for each of the following processes: rubber mixing, rubber milling, rubber extruding, rubber calendering, tire curing, WSW grinding, and TUO grinding. For all equations below, the maximum VOC emission factors shall be from the U.S. EPA's AP-42, Chapter 4.12.

(1) VOC emissions from rubber mixing shall be calculated using the following

equation:
VOC Emissions (tons/month) = (RM * MEF)/2000

where: RM = pounds of rubber mixed per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds mixed that month

(2) VOC emissions from rubber milling shall be calculated using the following equation:

VOC Emissions (tons/month) = (MR * MEF)/2000

where: MR = pounds of rubber milled per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds milled that month

(3) VOC emissions from rubber extruding shall be calculated using the following equation:

VOC Emissions (tons/month) = (RE * MEF)/2000

where: RE = pounds of rubber extruded per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds extruded that month

(4) VOC emissions from rubber calendering shall be calculated using the following equation:

VOC Emissions (tons/month) = (CR * MEF)/2000

where: CR = pounds of rubber calendered per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds calendered that month

(5) VOC emissions from the tire curing process shall be calculated using the following equation:

VOC Emissions (tons/month) = (RC * MEF)/2000

where: RC = pounds of rubber cured per month and
MEF = maximum VOC emission factor (in lb VOC/lb rubber) for the compounds cured that month

(6) VOC emissions from WSW grinding shall be calculated using the following equation:

VOC Emissions (tons/month) = (SG * 1.59 X 10^{-2})/2000

where: SG = pounds of rubber removed in WSW grind per month; calculated by multiplying the number of tires ground and the maximum weight of rubber removed per grind

(7) VOC emissions from the TUO grinding operations shall be calculated using the following equation:

VOC Emissions (tons/month) = (G * 1.59 X 10^{-2})/2000

where: G = pounds of rubber removed in TUO grind per month; calculated by multiplying the number of tires ground and the maximum weight of rubber removed per grind

(b) The Permittee shall calculate VOC emissions (in tons) each calendar month using mass balance calculations for each of the following processes: silane binder usage, ink marking, tread end cementing, green tire spraying and WSW protectant spraying. The monthly VOC emissions are the sum of the VOC emissions from each coating or solvent used during the month. The VOC emissions from each coating or solvent will be calculated by multiplying the VOC content of a coating or solvent by the amount of that coating or solvent used during the calendar month.

D.1.~~4~~**5** Particulate Control

(a) In order to comply with condition D.1.2, the dust collectors, baghouses, and centrifugal separators for particulate control shall be in operation and control emissions from the carbon black unloading, Banbury mixing, WSW grinding and TUO Module Area at all times that the facilities are in operation.

...

Record Keeping and Reporting [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.~~8~~**9** Record Keeping Requirement**s**

...

(c) The Permittee shall retain a copy of all records necessary to determine the compliance status with the requirements of Condition D.1.1. Those records include, but are not limited to:

(1) The VOC content of each coating material and solvent used.

(A) less water; and

(B) including water.

(2) The amount of coating material and solvent used on a monthly basis.

(A) Records shall include purchase orders, invoices, usage logs or other reasonable methods and material safety data sheets (MSDS), VOC data sheets, certificate of analysis or other means necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The weight of VOCs emitted for each compliance period.

...

D.1.10 Reporting Requirements

The Permittee shall submit a semi-annual summary of the information to document the compliance status with Condition D.1.1, not later than thirty (30) days after the end of the six (6)-month period being reported. Section C - General Reporting Requirements contains

the Permittee's obligation with regard to the reporting required by this condition. This report requires the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

Modification 7: The following reporting form has been added to the permit to aid in reporting the VOC emissions:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
VOC Semi-Annual Report

Source Name: **BF Goodrich Tire Manufacturing**
Source Address: **18906 Highway 24 East, Woodburn, Indiana 46797**
Part 70 Permit No.: **T003-20341-00008**
Facility: **Entire Source**
Parameter: **Total VOC emissions**
Limit: **Less than 243.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month**

YEAR: _____

Month	Total VOC Emissions	Total VOC Emissions	Total VOC Emissions
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

☐ **No deviation occurred in this quarter.**

☐ **Deviation/s occurred in this quarter.**
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

…

Modification 8: The PSD Minor limits for SO_2 and NO_X are incorporated into Section D.2 as follows:

D.2.1 PSD Minor Limits [326 IAC 2-2]

(a) The emissions of SO_2 from Boilers #1, #2, #3, and #5, and all space heaters in the facility shall not exceed 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(1) The one (1) boiler, with a maximum heat input capacity of 52 MMBtu/hr, identified as Boiler #3, shall only use natural gas.

(2) The three (3) boilers, with maximum heat input capacities of 52, 52, and 130 MMBtu/hr, identified as Boilers #1, #2, and #5, respectively, shall use any combination of natural gas, #2 fuel oil, and #6 fuel oil.

(3) The sulfur content for #2 and #6 fuel oil shall not exceed 1.5%.

(b) The emissions of NO_X from Boilers #1, #2, #3, and #5, and all space heaters in the facility shall not exceed 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from the source is less than 250 tons of SO_2 and NO_X per year and render the requirements of 326 IAC 2-2 not applicable.

Modification 9: The following Compliance Determination, Record Keeping, and Reporting requirements are added to Section D.2 to show the compliance status with the PSD Minor limit added above:

D.2.6 Sulfur Dioxide (SO_2) Emissions

Compliance with the SO_2 emissions limit in Condition D.2.1 shall be determined by using the following equation:

Total SO_2 Emissions (tons/month) = SO_2[#2 fuel oil] + SO_2[#6 fuel oil] + SO_2[natural gas]

(a) For #2 fuel oil:

(1) SO_2 emissions (tons/month) = T * 142S / 2000

where: T = throughput of #2 fuel oil in kilogallons per month
S = percent (%) sulfur content

(b) For #6 fuel oil:

(1) SO_2 emissions (tons/month) = T * 157S / 2000

where: T = throughput of #6 fuel oil in kilogallons per month
S = percent (%) sulfur content

(c) For natural gas:

(1) SO_2 emissions (tons/month) = T * 0.6 / 2000

where: T = throughput of natural gas in MMCF per month

D.2.~~5~~**7** Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition**s** D.2.1**(a) and D.2.2** shall be determined utilizing one **(1)** of the following options:

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate the fuel oil sulfur content does not exceed one and five tenths percent (1.5%) by weight or one and six tenths (1.6) pounds per MMBtu heat input (No. 6 fuel oil) or five tenths (0.5) pounds per MMBtu heat input (No. 2 fuel oil) by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance **with Condition D.2.2** may also be determined by conducting a stack test for sulfur dioxide emissions from the boilers using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.2.8 Emissions of Nitrogen Oxides (NO_X)

Compliance with the NO_X emissions limit in Condition D.2.1(b) shall be determined by using the following equation:

Total NO_X Emissions (tons/month) = Throughput (MMCF) of natural gas * 100 (AP-42 emission factor)

...

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.~~7~~ **10** Record Keeping Requirements

(a) To document compliance with Condition**s** D.2.1**(a) and D.2.2,** the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the ~~SO2~~ **SO_2** emission limit**s** established in Condition**s** D.2.1 **and D.2.2**.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) **To document the compliance status with Condition D.2.1(b), the Permittee shall maintain records of the actual monthly natural gas usage and equivalent NO_X emissions.**

(~~b~~**c**) To document compliance with Condition D.2.~~6~~ **9**, the Permittee shall maintain records of visible emission notations of the boiler #1-#3, and boiler #5 stack exhaust while combusting fuel oil. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

(~~c~~ **d**) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.~~8~~ **11** Reporting Requirements

(a) The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) **The Permittee shall submit a semi-annual summary of the information to document the compliance status with Condition D.2.1, not later than thirty (30) days after the end of the six (6)-month period being reported. Section C - General Reporting Requirements contains the Permittee's obligation with regard to the reporting required by this condition. This report requires the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).**

Modification 10: The following reporting form has been added to the permit to aid in reporting the SO_2 emissions:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
SO_2 Semi-Annual Report

Source Name:	**BF Goodrich Tire Manufacturing**
Source Address:	**18906 Highway 24 East, Woodburn, Indiana 46797**
Part 70 Permit No.:	**T003-20341-00008**
Facility:	**Boilers #1, #2, #3, and #5, and all facility space heaters**
Parameter:	**Total SO_2 emissions**
Limit:	**Less than 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month**

Compliance with the SO_2 emissions limit shall be determined by using the following equation:

Total SO_2 Emissions (tons/month) = SO_2[#2 fuel oil] + SO_2[#6 fuel oil] + SO_2[natural gas]

(a) For #2 fuel oil: SO_2 emissions (tons/month) = T * 142S / 2000
where: T = throughput of #2 fuel oil in kilogallons per month
S = percent (%) sulfur content

(b) For #6 fuel oil: SO_2 emissions (tons/month) = T * 157S / 2000
where: T = throughput of #6 fuel oil in kilogallons per month
S = percent (%) sulfur content

(c) For natural gas: SO_2 emissions (tons/month) = T * 0.6 / 2000
where: T = throughput of natural gas in MMCF per month

YEAR: _____

Month	Total SO_2 Emissions	Total SO_2 Emissions	Total SO_2 Emissions
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

☐ **No deviation occurred in this quarter.**

☐ **Deviation/s occurred in this quarter.**
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Modification 11: The following reporting form has been added to the permit to aid in reporting the NO_X emissions:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
NO_X Semi-Annual Report

Source Name: **BF Goodrich Tire Manufacturing**
Source Address: **18906 Highway 24 East, Woodburn, Indiana 46797**
Part 70 Permit No.: **T003-20341-00008**
Facility: **Boilers #1, #2, #3, and #5, and all facility space heaters**
Parameter: **Total NO_X emissions**
Limit: **Less than 249.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month**

Compliance with the NO_X emissions limit shall be determined by using the following equation:

Total NO_X Emissions (tons/month) = Throughput (MMCF) of natural gas * 100 (AP-42 emission factor)

YEAR: _____

Month	Total NO_X Emissions	Total NO_X Emissions	Total NO_X Emissions
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

☐ **No deviation occurred in this quarter.**

☐ **Deviation/s occurred in this quarter.**
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Modification 12: With the PSD Minor limits in place for VOC, SO_2, and NO_X, the source is no longer considered a major source under PSD. Therefore, the designation contained within A.1 has been changed as follows:

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary rubber tire manufacturing facility.

Source Address:	18906 Highway 24 East, Woodburn, Indiana 46797
General Source Phone Number:	(260) 493-8100
SIC Code:	3011
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program ~~Major~~ **Minor** Source, under PSD Rules Major Source, Section 112 of the Clean Air Act; and Not 1 of 28 Source Categories

...

Modification 13: To show that the source is subject to the triennial reporting schedule for 326 IAC 2-6 (Emission Reporting), Condition C.18 is changed as follows:

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) ~~Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year.~~ **Pursuant to 326 IAC 2-6-3(b)(2), starting in 2010 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous**

calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

...

IDEM Change 1: Several of the IDEM, OAQ, branches and sections have been renamed. Therefore, the addresses listed in the permit will be updated as follows:

References to the Permit Administration and Development Section and the Permits Branch have been changed to "Permit Administration and Support Section". References to the Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to "Compliance and Enforcement Branch".

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

IDEM Change 2: 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official". These changes are made throughout the permit without reproduction herein.

IDEM Change 3: The phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore, all timelines have been switched to "no later than" or "not later than". The following changes have been made to the permit:

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented ~~within~~ **no later than** ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

...

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, ~~within~~ **not later than** thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed ~~within~~ **not later than** one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

...

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

...

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented ~~within~~ **no later than** ninety (90) days of permit issuance.

...

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted ~~within~~ **no later than** thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted ~~within~~ **no later than** thirty (30) days of the end of the reporting period. All reports do require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

(g) The report for project at an existing emissions unit shall be submitted ~~within~~ **no later than** sixty (60) days after the end of the year and contain the following:

...

D.2.8 Reporting Requirements

The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, ~~within~~ **no later than** thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by a “responsible official” as defined by 326 IAC 2-7-1(34).

...

IDEM Change 4: IDEM has clarified what rule requirements a certification needs to meet. Additionally, IDEM has removed the last sentence dealing with the need for certification from the forms because the Conditions requiring the forms already address this issue. The following changes are made to the permit:

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

...

The submittal by the Permittee does require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

...

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.11 Emergency Provisions [326 IAC 2-7-16]

...

The notification which shall be submitted by the Permittee does not require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.
[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

...

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
~~Permits Branch~~ **Permit Administration and Support Section**, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application ~~shall be certified~~ **does require a certification that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

...

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

...

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
~~Permits Branch~~ **Permit Administration and Support Section**, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

~~The application which shall be submitted by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).~~ **Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).**

...

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

...

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
~~Asbestos Section~~ **Compliance and Enforcement Branch**, Office of Air Quality
100 North Senate Avenue
MC 61-~~52~~ **53** IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

C.8 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance ~~Data Section~~ **and Enforcement Branch**, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

...
The notification which shall be submitted by the Permittee does require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).
...

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

...
The response action documents submitted pursuant to this condition do require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).
...

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

...
The emission statement does require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a “responsible official” as defined by 326 IAC 2-7-1(34).

...

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted no later than thirty (30) days of the end of the reporting period. All reports do require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

D.2.8 Reporting Requirements

The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a “responsible official” as defined by 326 IAC 2-7-1(34).
...

COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 ~~HIghway~~ **Highway** 24 East, Woodburn, Indiana 46797
Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277
Part 70 Permit No.: T003-20341-00008

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), ~~within~~ **no later than** four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:

Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

~~A certification is not required for this report.~~

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE ~~DATA SECTION~~ AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 ~~HIghway~~ **Highway** 24 East, Woodburn, Indiana 46797
Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277
Part 70 Permit No.: T003-20341-00008

☐ Natural Gas Only ☐ Alternate Fuel burned From:_____ To:_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone:
Date:

~~A certification by a responsible official as defined by 326 IAC 2-7-1(34) is required for this report.~~

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE ~~DATA SECTION~~ AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 ~~HIghway~~ **Highway** 24 East, Woodburn, Indiana 46797
Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277
Part 70 Permit No.: T003-20341-00008

Months: _____ to _____ Year: _____

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This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD
Permit Requirement (specify permit condition #)

Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Page 2 of 2

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	

Response Steps Taken:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

~~Attach a signed certification to complete this report~~

...

IDEM Change 5: Condition B.7 has been revised as follows:

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. ~~The submittal by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).~~ Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

...

IDEM Change 6: To clarify that Condition B.8 (Certification) only states what a certification must be, IDEM has revised the condition as follows:

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

(a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a "responsible official" of truth, accuracy, and completeness. This certification shall state that,~~ **A certification required by the permit meets the requirements of 326 IAC 2-7-6(1) if:**

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) ~~One (1) certification shall be included, using~~ **The Permittee may use** the attached Certification Form, **or its equivalent,** with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(34).

...

IDEM Change 7: IDEM has added a new paragraph (b) to handle future situations where the Permittee adds units that need preventive maintenance plans developed. IDEM has also clarified other aspects of Condition B.10 (Preventive Maintenance Plan). The permit is changes as follows:

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) ~~If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:~~ **A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:**

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34).

(~~b~~**c**) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions ~~or potential to emit. The~~ PMPs **and their submittal** do not require ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

(~~c~~**d**) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

...

IDEM Change 8: IDEM is revising Condition B.11 (Emergency Provisions) to delete paragraph (h). 326 IAC 2-7-5(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.

B.11 Emergency Provisions [326 IAC 2-7-16]

...

~~(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

IDEM Change 9: Having a separate condition for the reporting of deviations is unnecessary. Therefore, IDEM has removed Section B - Deviation from Permit Requirements and Conditions and added the requirements of that condition to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM already states the timeline and certification needs of each report in the condition requiring the report. Subparagraph (g)(4) has been revised to match the underlying rule language.

B.15 **Reserved** ~~Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]~~

~~(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:~~

~~Indiana Department of Environmental Management~~
~~Compliance and Enforcement Branch, Office of Air Quality~~
~~100 North Senate Avenue~~
~~MC 61-53 IGCN 1003~~
~~Indianapolis, Indiana 46204-2251~~

~~using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.~~

~~The Quarterly Deviation and Compliance Monitoring Report does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.~~

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported **except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report**. This report shall be submitted not later than thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34). **A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.**

(b) The ~~report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to~~ **address for report submittal is**:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) **Reserved** ~~Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the record keeping provisions of (c) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1(qq)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx)), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee ~~deems fit~~ **wishes** to include in this report **such as an explanation as to why the emissions differ from the preconstruction projection**.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for

review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

IDEM Change 10: The condition should state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Condition B.17 (Permit Renewal) has been revised as follows:

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

...

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified**, pursuant to 326 IAC 2-7-4(a)(2)(D),** in writing by IDEM, OAQ any additional information identified as being needed to process the application.

IDEM Change 11: No notice is required for approved changes in Condition B.19 (Permit Revision Under Economic Incentives and Other Programs). Therefore, the permit is changed as follows:

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision **or notice** shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

...

IDEM Change 12: IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in **326 IAC 5-1-1 (Applicability) and** 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

...

IDEM Change 13: IDEM has revised Section C - Incineration to more closely reflect the two (2) underlying rules, as follows:

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator ~~or incinerate any waste or refuse~~ except as provided in 326 IAC 4-2 ~~and 326 IAC 9-1-2~~ **or in this permit**. **The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.**

IDEM Change 14: IDEM has removed the first paragraph of Condition C.8 (Performance Testing) due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures. The permit is changed as follows:

C.8 Performance Testing [326 IAC 3-6]

(a) ~~All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.~~

~~A~~ **For performance testing required by this permit, a** test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34).

...

IDEM Change 15: IDEM has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been change to clearly indicate that it is the Permittee that must follow the requirements of the condition.

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, **for** all monitoring ~~and record keeping~~ requirements not already legally required**, the Permittee shall be allowed up to** ~~shall be implemented within~~ ninety (90) days ~~of~~ **from the date of** permit issuance **or initial start-up, whichever is later, to begin such monitoring**. ~~If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.~~ If due to circumstances beyond ~~its~~ **the Permittee's** control, ~~that~~ **any monitoring** equipment **required by this permit** cannot be installed and operated ~~within~~ **no later than** ninety (90) days **after permit issuance or the date of initial start-up, whichever is later**, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

...

IDEM Change 16: IDEM has removed Section C - Monitoring Methods. The conditions that require monitoring or testing, if required, state what methods shall be used. The permit has been changed as follows:

C.12 **Reserved** ~~Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

~~Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.~~

IDEM Change 17: IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.

C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) ~~Upon detecting an excursion or exceedance, the~~ **The** Permittee shall **take reasonable response steps to** restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing **excess** emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction ~~and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions)~~. ~~Corrective actions~~ **The response** may include, but ~~are~~ **is** not limited to, the following:

(1) initial inspection and evaluation
(2) recording that operations returned **or are returning** to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to ~~within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable~~ **normal or usual manner of operation**.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall ~~maintain the following records~~ **record the reasonable response steps taken.**~~:~~

~~(1) monitoring data;~~

~~(2) monitor performance data, if applicable; and~~

~~(3) corrective actions taken.~~

...

IDEM Change 18: IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still

ensure that the Permittee will return to compliance within a reasonable timeframe.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee ~~shall take appropriate response actions. The Permittee~~ shall submit a description of ~~these~~ **its** response actions to IDEM, OAQ, no later than ~~thirty (30) days of receipt of the test results~~ **seventy-five (75) days after the date of the test**. ~~The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.~~

(b) A retest to demonstrate compliance shall be performed ~~within~~ **no later than** one hundred ~~twenty (120)~~ **eighty (180)** days ~~of receipt of the original test results~~ **after the date of the test**. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~twenty (120)~~ **eighty (180)** days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

IDEM Change 19: Paragraph (b) of Section C - Emission Statement has been removed. It was duplicative of the requirement in Section C - General Reporting Requirements.

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

...

~~(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~

IDEM Change 20: The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]

...

(b) Unless otherwise specified in this permit, **for** all record keeping requirements not already legally required**, the Permittee shall be allowed up to** ~~shall be implemented within~~ ninety (90) days **from the date** of permit issuance **or the date of initial start-up, whichever is later, to begin such record keeping**.

...

IDEM Change 21: IDEM has simplified the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1. The permit is changed as follows:

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with ~~the~~ **applicable** standards for recycling and emissions reduction~~:~~**.**

~~(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~

~~(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~

~~(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~

IDEM Change 22: For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", "in accordance with Section C", or other similar language, to "Section C ... contains the Permittee's obligations with regard to the records required by this condition." The following changes have been made to the permit:

D.1.~~3~~**2** Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan~~, in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for this facility and any control devices. **Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the prevenntive maintenance plan required by this condition.**

...

D.1.~~5~~**4** Monitoring [40 CFR 64]

...

(g) If abnormal emissions are observed, the Permittee shall take reasonable response steps**.** ~~in accordance with~~ Section C- Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition**. Failure to take response steps ~~in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

D.1.~~6~~**5** Parametric Monitoring [40 CFR 64]

The Permittee shall perform automatic daily monitoring and recording of the pressure differential readings on the banbury mixers, BB dump, and pellet feed. This information shall be provided by a PLC/differential pressure transducer based system. The system shall take daily readings of the baghouses pressure drop ranges and shall be maintained at 1.0 to 5.0 inches of water or ranges established during the latest stack test. Any reading outside this range shall sound an alarm/alert function for immediate response by maintenance personnel to shut the unit down until the situation is remedied. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 to 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps**.** ~~in accordance with~~ Section C - Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

...

D.1.~~8~~**7** Record Keeping Requirement**s**

...

(d) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements~~,~~ of this permit **contains the Permittee's obligation with regard to the records required by this condition**.

...

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan~~, in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for this facility and its control device. **Section B - Preventive**

Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee shall conduct stack testing for opacity when burning No.6 fuel oil in Boiler #5. Compliance shall be determined by a performance stack test ~~conducted in accordance with Section C - Performance Testing~~. The Permittee shall perform opacity testing utilizing Method 9 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner~~. The opacity testing shall be repeated~~ at least once every two and one half (2 1/2) years from February 8, 2006. **Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.**

...

D.2.6 Visible Emissions Notations

...

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps**.** ~~in accordance with~~ Section C - Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps that are required by this condition**. Failure to take response steps ~~in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.7 Record Keeping Requirements

...

(c) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements~~,~~ of this permit **contains the Permittee's obligation with regard to the records required by this condition**.

...

D.3.~~3~~**2** Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan~~, in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for these facilities and their emission control devices. **Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

...

IDEM Change 23: IDEM has removed all references to the source mailing address. IDEM will continue to maintain records of the mailing address. The permit is changed as follows:

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary rubber tire manufacturing facility.

Source Address:	18906 Highway 24 East, Woodburn, Indiana 46797
~~Mailing Address:~~	~~P.O. Box 277, Woodburn, Indiana 46797-0277~~
General Source Phone Number:	(260) 493-8100
SIC Code:	3011
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants

Source Status: Part 70 Operating Permit Program
Minor Source, under PSD Rules
Major Source, Section 112 of the Clean Air Act; and
Not 1 of 28 Source Categories

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 HIghway 24 East, Woodburn, Indiana 46797
~~Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277~~
Part 70 Permit No.: T003-20341-00008

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
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PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 HIghway 24 East, Woodburn, Indiana 46797
~~Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277~~
Part 70 Permit No.: T003-20341-00008

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: BF Goodrich Tire Manufacturing
Source Address: 18906 Highway 24 East, Woodburn, Indiana 46797
~~Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277~~
Part 70 Permit No.: T003-20341-00008

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: BF Goodrich Tire Manufacturing

Source Address: 18906 Highway 24 East, Woodburn, Indiana 46797
~~Mailing Address: P.O. Box 277, Woodburn, Indiana 46797-0277~~
Part 70 Permit No.: T003-20341-00008

...

IDEM Change 24: The word "status" has been added the Section D - Record Keeping Requirements and Section D - Reporting Requirements. The Permittee has the obligation to document and report the compliance status. The permit is changed as follows:

D.1.~~8~~**7** Record Keeping Requirement

(a) To document **the** compliance **status** with Condition D.1.4(a), (b), and (c), the Permittee shall maintain records of daily visible emission notations of the stack exhaust from 197, 200, 208, 210, 258 to 261, 265 to 277, and 356A to 356D. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

(b) To document **the** compliance **status** with Condition D.1.5, the Permittee shall maintain the daily automatic or manual readings of the Banbury mixing, BB dump and pellet feed for Banbury mixing baghouses differential pressure. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

...

D.2.7 Record Keeping Requirements

(a) To document **the** compliance **status** with Condition D.2.1**,** the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limit established in Condition D.2.1.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document **the** compliance **status** with Condition D.2.6, the Permittee shall maintain records of visible emission notations of the boiler #1-#3, and boiler #5 stack exhaust while combusting fuel oil. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

...

IDEM Change 25: The text of the NSPS and NESHAPs applicable to the source has been removed from the actual permit document. The complete regulation is now included as an attachment to the permit. Additionally, the redundant listing of the equipment has been removed from the appropriate parts of each E Section. The new attachments will not be reproduced herein. The permit is changed as follows:

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(d) One (1) component preparation area, identified as EU-03, which includes milling, extruding, and calendaring, constructed prior to 1974 with one mill constructed in 2007, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendaring and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330, and 415. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(e) One (1) tire building area, constructed in 1961, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stack 279. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(f) One (1) tire curing process, identified as EU-05, with 178 presses constructed in 1961 and modified in 2004, and 26 presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected facility under 40 CFR 63, Subpart XXXX.

(h) One (1) tread end cementing process consisting of lines #1 and #2, identified as EU-04, with a maximum production capacity of 2,081 tires per hour or 33,646 pounds per hour, constructed in 1961 and modified in 1990 and 1996, using particulate baffle filters, exhausting to one of the four process boilers to control VOC. This unit is an affected facility under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(i) Miscellaneous solvent usage.

Insignificant Activities:

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.5980, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the affected facilities, as specified in Table 17 of 40 CFR Part 63, Subpart XXXX in accordance with schedule in 40 CFR 63, Subpart XXXX.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and

reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.1.2 National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing [40 CFR Part 63, Subpart XXXX]

Pursuant to 40 CFR Part 63, Subpart XXXX, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart XXXX**,** ~~for the affected facility described below,~~ ~~as specified~~ as follows**,** on and after July 11, 2005. **The entire text of 40 CFR Part 63, Subpart XXXX is included as Attachment A to this permit.**

1) 40 CFR 63.5980
2) 40 CFR 63.5981
3) 40 CFR 63.5982 (a), (b)(1), (b)(4), (e)
4) 40 CFR 63.5983(b)
5) 40 CFR 63.5984
6) 40 CFR 63.5985(b)
7) 40 CFR 63.5990
8) 40 CFR 63.5994(a), (b), (d)
9) 40 CFR 63.5996
10) 40 CFR 63.6003
11) 40 CFR 63.6004
12) 40 CFR 63.6009 (a), (e), (f)
13) 40 CFR 63.6010 (a), (b)(3) through (5), (c)(1) through (5), (c)(7), (d), (e), (g)
14) 40 CFR 63.6011
15) 40 CFR 63.6012
16) 40 CFR 63.6013
17) 40 CFR 63.6014
18) 40 CFR 63.6015
19) Applicable portions of Table 1
20) Applicable portions of Table 6
21) Applicable portions of Table 9
22) Applicable portions of Table 10
23) Applicable portions of Table 15
24) Applicable portions of Table 16
25) Applicable portions of Table 17

~~The following emission units comprise the affected source that is subject to 40 CFR 63, Subpart XXXX:~~

~~(1) One (1) component preparation area, which includes milling, extruding, and calendering, constructed prior to 1974, with a maximum capacity of 49,420 pounds per hour for milling and 48,378 pounds per hour for calendering and extruding, using no control, exhausting at stacks 173, 174, 186, 254, 255, 318, 324, 325, 326, 327, 328, 329, 330 including one (1) stand-alone mill, which is to be constructed and operated in 2007. This new mill will exhaust at stack 415. This unit is an affected unit under 40 CFR 63, Subpart XXXX.~~

~~(2) One (1) tire building area, with a maximum capacity of 47,290 pounds per hour, using no control, exhausting at stacks 301-309, 312, and 313. This unit is an affected unit under 40 CFR 63, Subpart XXXX.~~

~~(3) One (1) tire curing process, constructed in 1961, modified in 2004, and 26 presses approved for construction in 2007, with a maximum capacity of 47,290 pounds per hour,~~

~~using no control, exhausting at stacks 52-58, 61-66, 69, 71, 73, 75, 77, 79, 80, and 83-88. This unit is an affected unit under 40 CFR 63, Subpart XXXX.~~

~~(4) One (1) tread end cementing process consisting of lines #1 and #2, with a production capacity of 2,081 tires per hour, using particulate baffle filters, exhausting to one of the four (4) process boilers to control VOC emissions. Line #1 was modified in 1996; Line #2 was modified in 1990. This unit is an affected unit under 40 CFR 63, Subpart XXXX and 40 CFR 60, Subpart BBB.~~

~~(5) Miscellaneous solvent usage.~~

~~(6) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 63, Subpart XXXX and 40 CFR 60, Subpart BBB.~~

~~(7) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.~~

~~Subpart XXXX—National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing~~

~~Source:~~ ~~67 FR 45598, July 9, 2002, unless otherwise noted.~~

~~What This Subpart Covers~~

~~§ 63.5980 What is the purpose of this subpart?~~

~~This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for rubber tire manufacturing. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.~~

~~§ 63.5981 Am I subject to this subpart?~~

~~(a) You are subject to this subpart if you own or operate a rubber tire manufacturing facility that is located at, or is a part of, a major source of hazardous air pollutant (HAP) emissions.~~

~~(1) Rubber tire manufacturing includes the production of rubber tires and/or the production of components integral to rubber tires, the production of tire cord, and the application of puncture sealant. Components of rubber tires include, but are not limited to, rubber compounds, sidewalls, tread, tire beads, tire cord and liners. Other components often associated with rubber tires but not integral to the tire, such as wheels, inner tubes, tire bladders, and valve stems, are not components of rubber tires or tire cord and are not subject to this subpart.~~

~~(2) A major source of HAP emissions is any stationary source or group of stationary sources within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, any single HAP at a rate of 9.07 megagrams (10 tons) or more per year or any combination of HAP at a rate of 22.68 megagrams (25 tons) or more per year.~~

~~§ 63.5982 What parts of my facility does this subpart cover?~~

~~(a) This subpart applies to each existing, new, or reconstructed affected source at facilities engaged in the manufacture of rubber tires or their components.~~

~~(b) The affected sources are defined in paragraph (b)(1) of this section (tire production), paragraph (b)(2) of this section (tire cord production), paragraph (b)(3) of this section (puncture sealant application), and paragraph (b)(4) of this section (rubber processing).~~

~~(1) The tire production affected source is the collection of all processes that use or process cements and solvents as defined in §63.6015, located at any rubber tire manufacturing facility. It includes, but is not limited to: Storage and mixing vessels and the transfer equipment containing cements and/or solvents; wastewater handling and treatment operations; tread and cement operations; tire painting operations; ink and finish operations; undertread cement operations; process equipment cleaning materials; bead~~

~~cementing operations; tire building operations; green tire spray operations; extruding, to the extent cements and solvents are used; cement house operations; marking operations; calendar operations, to the extent solvents are used; tire striping operations; tire repair operations; slab dip operations; other tire building operations, to the extent that cements and solvents are used; and balance pad operations.~~

~~(4) The rubber processing affected source is the collection of all rubber mixing processes (e.g., banburys and associated drop mills) that either mix compounds or warm rubber compound before the compound is processed into components of rubber tires. The mixed rubber compound itself is also included in the rubber processing affected source. There are no emission limitations or other requirements for the rubber processing affected source.~~

~~(e) An affected source is existing if it is not new or reconstructed.~~

~~§ 63.5983 When do I have to comply with this subpart?~~

~~(b) If you have an existing affected source, you must comply with the emission limitations for existing sources no later than July 11, 2005.~~

~~Emission Limits for Tire Production Affected Sources~~

~~§ 63.5984 What emission limits must I meet for tire production affected sources?~~

~~You must meet each emission limit in either option 1 or option 2 of Table 1 to this subpart that applies to you.~~

~~§ 63.5985 What are my alternatives for meeting the emission limits for tire production affected sources?~~

~~You must use one of the compliance alternatives in paragraphs (a) through (c) of this section to meet either of the emission limits in §63.5984.~~

~~(b) *Monthly average alternative, without using an add-on control device.* Use cements and solvents in such a way that the monthly average HAP emissions do not exceed the emission limits in Table 1 to this subpart, option 1 or option 2.~~

~~General Compliance Requirements~~

~~§ 63.5990 What are my general requirements for complying with this subpart?~~

~~(a) You must be in compliance with the applicable emission limitations specified in Tables 1 through 4 to this subpart at all times, except during periods of startup, shutdown, and malfunction if you are using a control device to comply with an emission limit.~~

~~(b) Except as provided in §63.5982(b)(4), you must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).~~

~~[67 FR 45598, July 9, 2002, as amended at 71 FR 20466, Apr. 20, 2006]~~

~~Testing and Initial Compliance Requirements for Tire Production Affected Sources~~

~~§ 63.5994 How do I conduct tests and procedures for tire production affected sources?~~

~~(a) *Methods to determine the mass percent of HAP in cements and solvents.* To determine the HAP content in the cements and solvents used at your tire production affected source, use EPA Method 311 of appendix A of this part, an approved alternative method, or any other reasonable means for determining the HAP content of your cements and solvents. Other reasonable means include, but are not limited to: a material safety data sheet (MSDS), provided it contains appropriate information; a certified product data sheet (CPDS); or a manufacturer's hazardous air pollutant data sheet. You are not required to test the materials that you use, but the Administrator may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. If the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.~~

~~(b) *Methods to demonstrate compliance with the HAP constituent emission limits in Table 1 to this subpart (option 1).* Use the method in paragraph (b)(1) of this section to demonstrate initial and continuous~~

~~compliance with the applicable emission limits for tire production affected sources using the compliance alternative described in §63.5985(a), purchase alternative. Use the equations in paragraphs (b)(2) and (3) of this section to demonstrate initial and continuous compliance with the emission limits for tire production affected sources using the monthly average compliance alternatives described in §63.5985(b) and (c).~~

~~(1) Determine the mass percent of each HAP in each cement and solvent according to the procedures in paragraph (a) of this section.~~

~~(2) Use Equation 1 of this section to calculate the HAP emission rate for each monthly operating period when complying by using cements and solvents without using an add-on control device so that the monthly average HAP emissions do not exceed the HAP constituent emission limits in Table 1 to this subpart, option 1. Equation 1 follows:~~

$$E_{month} = \frac{\left(\sum_{i=1}^{n}(HAP_i)(TMASS_i)\right)(10^6)}{\sum_{i=1}^{n} TMASS_i} \quad \text{(Eq. 1)}$$

~~Where:~~

~~E_{month}=mass of the specific HAP emitted per total mass cements and solvents from all cements and solvents used in tire production per month, grams per megagram.~~

~~HAP_i=mass percent, expressed as a decimal, of the specific HAP in cement and solvent i, as purchased, determined in accordance with paragraph (a) of this section.~~

~~$TMASS_i$=total mass of cement and solvent i used in the month, grams.~~

~~n=number of cements and solvents used in the month.~~

~~(d) *Specific compliance demonstration requirements for tire production affected sources.* (1) Conduct any required compliance demonstration according to the requirements in §63.5993.~~

~~(2) If you are demonstrating compliance with the HAP constituent option in Table 1 to this subpart, option 1, conduct the compliance demonstration using cements and solvents that are representative of cements and solvents typically used at your tire production affected source.~~

~~[67 FR 45598, July 9, 2002, as amended at 68 FR 11747, Mar. 12, 2003]~~

~~§ 63.5996 How do I demonstrate initial compliance with the emission limits for tire production affected sources?~~

~~(a) You must demonstrate initial compliance with each emission limit that applies to you according to Table 6 to this subpart.~~

~~(b) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.6009(e).~~

~~Continuous Compliance Requirements for Tire Production Affected Sources~~

~~§ 63.6003 How do I monitor and collect data to demonstrate continuous compliance with the emission limits for tire production affected sources?~~

~~(a) You must monitor and collect data as specified in Table 9 to this subpart.~~

~~(b) Except for periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must monitor continuously (or collect data at all required intervals) while the affected source is operating. This includes periods of startup, shutdown, and malfunction when the affected source is operating.~~

~~§ 63.6004 How do I demonstrate continuous compliance with the emission limits for tire production affected sources?~~

~~(a) You must demonstrate continuous compliance with each applicable limit in Table 1 to this subpart using the methods specified in Table 10 to this subpart.~~

~~(b) You must report each instance in which you did not meet an emission limit in Table 1 to this subpart. You must also report each instance in which you did not meet the applicable requirements in Table 10 to this subpart. These instances are deviations from the emission limits in this subpart. The deviations must be reported in accordance with the requirements in §63.6010(e).~~

~~Notifications, Reports, and Records~~

~~§ 63.6009 What notifications must I submit and when?~~

~~(a) You must submit all of the notifications in §§63.7 (b) and (c), 63.8(f) (4) and (6), and 63.9 (b) through (e) and (h) that apply to you by the dates specified.~~

~~(e) If you are required to conduct a performance test, design evaluation, or other initial compliance demonstration as specified in Tables 5 through 8 to this subpart, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). The Notification must contain the information listed in Table 15 to this subpart for compliance reports. The Notification of Compliance Status must be submitted according to the following schedules, as appropriate:~~

~~(1) For each initial compliance demonstration required in Tables 6 through 8 to this subpart that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th calendar day following the completion of the initial compliance demonstration.~~

~~(f) For each tire production affected source, the Notification of Compliance Status must also identify the emission limit option in §63.5984 and the compliance alternative in §63.5985 that you have chosen to meet.~~

~~§ 63.6010 What reports must I submit and when?~~

~~(a) You must submit each applicable report in Table 15 to this subpart.~~

~~(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 15 to this subpart and according to the requirements in paragraphs (b)(1) through (5) of this section.~~

~~(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.~~

~~(4) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.~~

~~(5) For each affected source that is subject to permitting subparts pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.~~

~~(c) The compliance report must contain information specified in paragraphs (c)(1) through (10) of this section.~~

~~(1) Company name and address.~~

~~(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.~~

~~(3) Date of report and beginning and ending dates of the reporting period.~~

~~(4) If you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).~~

~~(5) If there are no deviations from any emission limitations (emission limit or operating limit) that applies to you, a statement that there were no deviations from the emission limitations during the reporting period.~~

~~(7) For each tire production affected source, the emission limit option in §63.5984 and the compliance alternative in §63.5985 that you have chosen to meet.~~

~~(d) For each deviation from an emission limitation (emission limit or operating limit) that occurs at an affected source where you are not using a CPMS to comply with the emission limitations in this subpart, the compliance report must contain the information in paragraphs (c)(1) through (4) and paragraphs (d)(1) and (2) of this section. This includes periods of startup, shutdown, and malfunction when the affected source is operating.~~

~~(1) The total operating time of each affected source during the reporting period.~~

~~(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable) and the corrective action taken.~~

~~(e) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report (pursuant to Table 10 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A) which includes all required information concerning deviations from any emission limitation (including any operating limit) or work practice requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.~~

~~(g) If acceptable to both the Administrator and you, you may submit reports and notifications electronically.~~

~~§ 63.6011 What records must I keep?~~

~~(a) You must keep the records specified in paragraphs (a)(1) through (3) of this section.~~

~~(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in §63.10(b)(2)(xiv).~~

~~(2) Records of performance tests as required in §63.10(b)(2)(viii).~~

~~(3) The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.~~

~~(b) For each tire production affected source, you must keep the records specified in Table 9 to this subpart to show continuous compliance with each emission limit that applies to you.~~

~~§ 63.6012 In what form and how long must I keep my records?~~

~~(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).~~

~~(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.~~

~~(c) You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.~~

~~Other Requirements and Information~~

~~§ 63.6013 What parts of the General Provisions apply to me?~~

~~Table 17 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.~~

~~§ 63.6014 Who implements and enforces this subpart?~~

~~(a) This subpart can be implemented and enforced by us, the United States Environmental Protection Agency, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA has delegated authority to your State, local, or tribal agency, then that agency, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to your State, local, or tribal agency.~~

~~(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.~~

~~(c) The authorities that cannot be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section.~~

~~(1) Approval of alternatives to the requirements in §§63.5981 through 63.5984, 63.5986, and 63.5988.~~

~~(2) Approval of major changes to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.~~

~~(3) Approval of major changes to monitoring under §63.8(f) and as defined in §63.90.~~

~~(4) Approval of major changes to recordkeeping and reporting under §63.10(f) and as defined in §63.90.~~

~~§ 63.6015 What definitions apply to this subpart?~~

~~Terms used in this subpart are defined in the Clean Air Act and in §63.2, the General Provisions. The following are additional definitions of terms used in this subpart:~~

~~*As purchased* means the condition of a cement and solvent as delivered to the facility, prior to any mixing, blending, or dilution.~~

~~*Capture system* means a hood, enclosed room, or other means of collecting organic HAP emissions into a closed-vent system that conveys these emissions to a control device.~~

~~*Cements and solvents* means the collection of all organic chemicals, mixtures of chemicals, and compounds used in the production of rubber tires, including cements, solvents, and mixtures used as process aids. Cements and solvents include, but are not limited to, tread end cements, undertread cements, bead cements, tire building cements and solvents, green tire spray, blemish repair paints, side wall protective paints, marking inks, materials used to clean process equipment, and slab dip mixtures. Cements and solvents do not include coatings or process aids used in tire cord production, puncture sealant application, rubber processing, or materials used to construct, repair, or maintain process equipment, or chemicals and compounds that are not used in the tire production process such as materials used in routine janitorial or facility grounds maintenance, office supplies (*e.g.,* dry-erase markers, correction fluid), architectural paint, or any substance to the extent it is used for personal, family, or household purposes, or is present in the same form and concentration as a product packaged for distribution to and use by the general public.~~

~~*Coating* means a compound or mixture of compounds that is applied to a fabric substrate in the tire cord production operation that allows the fabric to be prepared (*e.g.,* by heating, setting, curing) for incorporation into a rubber tire.~~

~~*Components of rubber tires* means any piece or part used in the manufacture of rubber tires that becomes an integral portion of the rubber tire when manufacture is complete and includes mixed rubber compounds, sidewalls, tread, tire beads, and liners. Other components often associated with rubber tires such as wheels, valve stems, tire bladders and inner tubes are not considered components of rubber tires for the purposes of these standards. Tire cord and puncture sealant, although components of rubber tires, are considered as separate affected sources in these standards and are defined separately.~~

~~*Control device* means a combustion device, recovery device, recapture device, or any combination of these devices used for recovering or oxidizing organic hazardous air pollutant vapors. Such equipment includes, but is not limited to, absorbers, carbon adsorbers, condensers, incinerators (oxidizers), flares, boilers, and process heaters.~~

~~*Control system efficiency* means the percent of total volatile organic compound emissions, as measured by EPA Method 25 or 25A (40 CFR part 60, appendix A), recovered or destroyed by a control device multiplied by the percent of total volatile organic compound emissions, as measured by Method 25 or 25A,~~

~~that are captured and conveyed to the control device.~~

~~*Deviation* means any instance in which an affected source, subject to this subpart, or an owner or operator of such a source:~~

~~(1) Fails to meet any requirement or obligation established by this subpart including, but not limited to, any emission limitation (including any operating limit) or work practice standard;~~

~~(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or~~

~~(3) Fails to meet any emission limitation (including any operating limit) or work practice standard in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.~~

~~*Emission limitation* means any emission limit, opacity limit, operating limit, or visible emission limit.~~

~~*Fabric processed* means the amount of fabric coated and finished for use in subsequent product manufacturing.~~

~~*Mixed rubber compound* means the material, commonly referred to as rubber, from which rubber tires and components of rubber tires are manufactured. For the purposes of this definition, mixed rubber compound refers to the compound that leaves the rubber mixing process (*e.g.,* banburys) and is then processed into components from which rubber tires are manufactured.~~

~~*Monthly operating period* means the period in the Notification of Compliance Status report comprised of the number of operating days in the month.~~

~~*Operating day* means the period defined in the Notification of Compliance Status report. It may be from midnight to midnight or a portion of a 24-hour period.~~

~~*Process aid* means a solvent, mixture, or cement used to facilitate or assist in tire component identification; component storage; tire building; tire curing; and tire repair, finishing, and identification.~~

~~*Puncture sealant* means a mixture that may include, but is not limited to, solvent constituents, mixed rubber compound, and process oil that is applied to the inner liner of a finished tire for the purpose of sealing any future hole which might occur in the tread when an object penetrates the tire.~~

~~*Responsible official* means responsible official as defined in 40 CFR 70.2.~~

~~*Rubber* means the sum of the materials (for example, natural rubber, synthetic rubber, carbon black, oils, sulfur) that are combined in specific formulations for the sole purpose of making rubber tires or components of rubber tires.~~

~~*Rubber mixing* means the physical process of combining materials for use in rubber tire manufacturing to make mixed rubber compound using the collection of banburys and associated drop mills.~~

~~*Rubber tire* means a continuous solid or pneumatic cushion typically encircling a wheel and usually consisting, when pneumatic, of an external rubber covering.~~

~~*Rubber used* means the total mass of mixed rubber compound delivered to the tire production operations in a tire manufacturing facility (*e.g.,* the collection of warm-up mills, extruders, calendars, tire building, or other tire component and tire manufacturing equipment).~~

~~*Tire cord* means any fabric (*e.g.,* polyester, cotton) that is treated with a coating mixture that allows the fabric to more readily accept impregnation with rubber to become an integral part of a rubber tire.~~

~~[67 FR 45598, July 9, 2002, as amended at 68 FR 11747, Mar. 12, 2003]~~

~~**Table 1 to Subpart XXXX of Part 63—Emission Limits for Tire Production Affected Sources**~~

~~As stated in §63.5984, you must comply with the emission limits for each new, reconstructed, or existing tire production affected source in the following table:~~

~~For each . . .~~	~~You must meet the following emission limits.~~
~~1. Option 1—HAP constituent option~~	~~a. Emissions of each HAP in Table 16 to this subpart must not exceed 1,000 grams HAP per megagram (2 pounds per ton) of total cements and solvents used at the tire production affected source, and b. Emissions of each HAP not in Table 16 to this subpart must not exceed 10,000 grams HAP per megagram (20 pounds per ton) of total cements and solvents used at the tire production affected source.~~

~~Table 6 to Subpart XXXX of Part 63—Initial Compliance With the Emission Limits for Tire Production Affected Sources~~

~~As stated in §63.5996, you must show initial compliance with the emission limits for tire production affected sources according to the following table:~~

~~For . . .~~	~~For the following emission limit . . .~~	~~You have demonstrated initial compliance if . . .~~
~~2. Sources complying with the monthly average compliance alternative without using a control device in §63.5985(b)~~	~~The HAP constituent option in Table 1 to this subpart, option 1~~	~~You demonstrate that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 1, determined according to the applicable procedures in §63.5994(a) and (b)(2).~~

~~Table 9 to Subpart XXXX of Part 63—Minimum Data for Continuous Compliance With the Emission Limits for Tire Production Affected Sources~~

~~As stated in §63.6003, you must maintain minimum data to show continuous compliance with the emission limits for tire production affected sources according to the following table:~~

~~For . . .~~	~~You must maintain . . .~~
~~2. Sources complying with the monthly average compliance alternative without using a control device according to §63.5985(b) that are meeting emission limits in Table 1 to this subpart~~	~~a. A record of Method 311, or approved alternative method, test results, indicating the mass percent of each HAP for each cement and solvent, as purchased.~~ ~~b. The mass of each cement and solvent used each monthly operating period.~~ ~~c. The total mass of rubber used each monthly operating period (if complying with the production-based emission limit, option 2, in Table 1 to this subpart).~~ ~~d. All data and calculations used to determine the monthly average mass percent for each HAP for each monthly operating period.~~ ~~e. Monthly averages of emissions in the appropriate emission limit format.~~

~~Table 10 to Subpart XXXX of Part 63—Continuous Compliance With the Emission Limits for Tire Production Affected Sources~~

~~As stated in §63.6004, you must show continuous compliance with the emission limits for tire production affected sources according to the following table:~~

~~For . . .~~	~~For the following emission limit . . .~~	~~You must demonstrate continuous compliance by . . .~~
~~2. Sources complying with the monthly average compliance alternative without using a control device according to §63.5985(b)~~	~~The HAP constituent option in Table 1 to this subpart, option 1~~	~~Demonstrating that the monthly average HAP emissions for each monthly operating period do not exceed the emission limits in Table 1 to this subpart, option 1, determined according to the applicable procedures in §63.5994(a) and (b)(2).~~

~~Table 15 to Subpart XXXX of Part 63—Requirements for Reports~~

~~As stated in §63.6010, you must submit each report that applies to you according to the following table:~~

~~You must submit a(n)~~	~~The report must contain . . .~~	~~You must submit the report . . .~~
~~1. Compliance report~~	~~a. If there are no deviations from any emission limitations that apply to you, a statement that there were no deviations from the emission limitations during the reporting period. If there were no periods during which the CPMS was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CPMS was out-of-control during the reporting period~~	~~Semiannually according to the requirements in §63.6010(b), unless you meet the requirements for annual reporting in §63.6010(f).~~
~~–~~	~~b. If you have a deviation from any emission limitation during the reporting period at an affected source where you are not using a CPMS, the report must contain the information in §63.6010(d). If the deviation occurred at a source where you are using a CMPS or if there were periods during which the CPMS were out-of-control as specified in §63.8(c)(7), the report must contain the information required by §63.5990(f)(3)~~	~~Semiannually according to the requirements in §63.6010(b), unless you meet the requirements for annual reporting in §63.6010(f).~~
~~–~~	~~c. If you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i)~~	~~Semiannually according to the requirements in §63.6010(b), unless you meet the requirements for annual reporting in §63.6010(f).~~
~~2. Immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your startup, shutdown, and malfunction plan.~~	~~a. Actions taken for the event~~	~~By fax or telephone within 2 working days after starting actions inconsistent with the plan.~~
~~–~~	~~b. The information in §63.10(d)(5)(ii)~~	~~By letter within 7 working~~

~~You must submit a(n)~~	~~The report must contain . . .~~	~~You must submit the report . . .~~
		~~days after the end of the event unless you have made alternative arrangements with the permitting authority (§63.10(d)(5)(ii)).~~

~~Table 16 to Subpart XXXX of Part 63—Selected Hazardous Air Pollutants~~

~~You must use the information listed in the following table to determine which emission limit in the HAP constituent options in Tables 1 through 3 to this subpart is applicable to you:~~

~~CAS No.~~	~~Selected hazardous air pollutants~~
~~50000~~	~~Formaldehyde~~
~~51796~~	~~Ethyl carbamate (Urethane)~~
~~53963~~	~~2-Acetylaminofluorene~~
~~56235~~	~~Carbon tetrachloride~~
~~57147~~	~~1,1-Dimethyl hydrazine~~
~~57578~~	~~beta-Propiolactone~~
~~58899~~	~~Lindane (all isomers)~~
~~59892~~	~~N-Nitrosomorpholine~~
~~60117~~	~~Dimethyl aminoazobenzene~~
~~62759~~	~~N-Nitrosodimethylamine~~
~~64675~~	~~Diethyl sulfate~~
~~67663~~	~~Chloroform~~
~~67721~~	~~Hexachloroethane~~
~~71432~~	~~Benzene (including benzene from gasoline)~~
~~75014~~	~~Vinyl chloride~~
~~75070~~	~~Acetaldehyde~~
~~75092~~	~~Methylene chloride (Dichloromethane)~~
~~75218~~	~~Ethylene oxide~~
~~75558~~	~~1,2-Propylenimine (2-Methyl aziridine)~~
~~75569~~	~~Propylene oxide~~
~~77781~~	~~Dimethyl sulfate~~
~~79061~~	~~Acrylamide~~
~~79447~~	~~Dimethyl carbamoyl chloride~~

~~CAS No.~~	~~Selected hazardous air pollutants~~
~~79469~~	~~2-Nitropropane~~
~~88062~~	~~2,4,6-Trichlorophenol~~
~~91941~~	~~3,3-Dichlorobenzidene~~
~~92671~~	~~4-Aminobiphenyl~~
~~92875~~	~~Benzidine~~
~~95534~~	~~o-Toluidine~~
~~95807~~	~~2,4-Toluene diamine~~
~~96128~~	~~1,2-Dibromo-3-chloropropane~~
~~96457~~	~~Ethylene thiourea~~
~~98077~~	~~Benzotrichloride~~
~~101144~~	~~4,4-Methylene bis(2-chloroaniline)~~
~~101779~~	~~4,4-Methylenedianiline~~
~~106467~~	~~1,4-Dichlorobenzene(p)~~
~~106898~~	~~Epichlorohydrin (l-Chloro-2,3-epoxypropane)~~
~~106934~~	~~Ethylene dibromide (Dibromoethane)~~
~~106990~~	~~1,3-Butadiene~~
~~107062~~	~~Ethylene dichloride (1,2-Dichloroethane)~~
~~107131~~	~~Acrylonitrile~~
~~107302~~	~~Chloromethyl methyl ether~~
~~117817~~	~~Bis(2-ethylhexyl)phthalate (DEHP)~~
~~118741~~	~~Hexachlorobenzene~~
~~119904~~	~~3,3-Dimethoxybenzidine~~
~~119937~~	~~3,3-Dimethyl benzidine~~
~~122667~~	~~1,2-Diphenylhydrazine~~
~~123911~~	~~1,4-Dioxane (1,4-Diethyleneoxide)~~
~~127184~~	~~Tetrachloroethylene (Perchloroethylene)~~
~~140885~~	~~Ethyl acrylate~~
~~302012~~	~~Hydrazine~~
~~542756~~	~~1,3-Dichloropropene~~
~~542881~~	~~Bis(chloromethyl)ether~~
~~680319~~	~~Hexamethylphosphoramide~~
~~684935~~	~~N-Nitroso-N-methylurea~~

~~CAS No.~~	~~Selected hazardous air pollutants~~
~~1120714~~	~~1,3-Propane sultone~~
~~1332214~~	~~Asbestos~~
~~1336363~~	~~Polychlorinated biphenyls (Aroclors)~~
~~1746016~~	~~2,3,7,8-Tetrachlorodibenzo-p-dioxin~~
~~8001352~~	~~Toxaphene (chlorinated camphene)~~
~~–~~	~~Arsenic Compounds~~
~~–~~	~~Chromium Compounds~~
~~–~~	~~Coke Oven Emissions~~

~~Table 17 to Subpart XXXX of Part 63—Applicability of General Provisions to This Subpart XXXX~~
~~As stated in §63.6013, you must comply with the applicable General Provisions (GP) requirements according to the following table:~~

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.1~~	~~Applicability~~	~~Initial applicability determination; applicability after standard established; permit requirements; extensions; notifications~~	~~Yes~~	~~Yes.~~
~~§63.2~~	~~Definitions~~	~~Definitions for part 63 standards~~	~~Yes~~	~~Yes.~~
~~§63.3~~	~~Units and Abbreviations~~	~~Units and abbreviations for part 63 standards~~	~~Yes~~	~~Yes.~~
~~§63.4~~	~~Prohibited Activities~~	~~Prohibited activities; compliance date; circumvention; severability~~	~~Yes~~	~~Yes.~~
~~§63.5~~	~~Construction/Reconstruction~~	~~Applicability; applications; approvals~~	~~Yes~~	~~Yes.~~
~~§63.6(a)~~	~~Applicability~~	~~GP apply unless compliance extension; GP apply to area sources that become major~~	~~Yes~~	~~Yes.~~
~~§63.6(b)(1)–(4)~~	~~Compliance Dates for New and Reconstructed Sources~~	~~Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for section 112(f)~~	~~Yes~~	~~Yes.~~
~~§63.6(b)(5)~~	~~Notification~~	~~Must notify if commenced construction or reconstruction after proposal~~	~~Yes~~	~~Yes.~~
~~§63.6(b)(6)~~	~~[Reserved]~~			

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.6(b)(7)~~	~~Compliance Dates for New and Reconstructed Area Sources that Become Major~~		~~No~~	~~No.~~
~~§63.6(c)(1)–(2)~~	~~Compliance Dates for Existing Sources~~	~~Comply according to date in subpart, which must be no later than 3 years after effective date; for CAA section 112(f) standards, comply within 90 days of effective date unless compliance extension~~	~~Yes~~	~~Yes.~~
~~§63.6(c)(3)–(4)~~	~~[Reserved]~~			
~~§63.6(c)(5)~~	~~Compliance Dates for Existing Area Sources that Become Major~~	~~Area sources that become major must comply with major source standards by date indicated in subpart or by equivalent time period (for example, 3 years)~~	~~Yes~~	~~Yes.~~
~~§63.6(d)~~	~~[Reserved]~~			
~~§63.6(e)(1)–(2)~~	~~Operation & Maintenance~~	~~Operate to minimize emissions at all times; correct malfunctions as soon as practicable; and operation and maintenance requirements independently enforceable; information Administrator will use to determine if operation and maintenance requirements were met~~	~~Yes~~	~~Yes.~~
~~§63.6(e)(3)~~	~~Startup, Shutdown, and Malfunction Plan (SSMP)~~		~~Yes~~	~~No.~~
~~§63.6(f)(1)~~	~~Compliance Except During SSM~~		~~Yes~~	~~No.~~
~~§63.6(f)(2)–(3)~~	~~Methods for Determining Compliance~~	~~Compliance based on performance test; operation and maintenance plans; records; inspection~~	~~Yes~~	~~Yes.~~
~~§63.6(g)(1)–(3)~~	~~Alternative Standard~~	~~Procedures for getting an alternative standard~~	~~Yes~~	~~Yes.~~
~~§63.6(h)~~	~~Opacity/Visible Emission (VE) Standards~~		~~No~~	~~No.~~
~~§63.6(i)~~	~~Compliance Extension~~	~~Procedures and criteria for Administrator to grant compliance extension~~	~~Yes~~	~~Yes.~~
~~§63.6(j)~~	~~Presidential Compliance Exemption~~	~~President may exempt source category from requirement to comply with rule~~	~~Yes~~	~~Yes.~~
~~§63.7(a)(1)–(2)~~	~~Performance Test Dates~~		~~No~~	~~No.~~

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.7(a)(3)~~	~~CAA section 114 Authority~~	~~Administrator may require a performance test under CAA section 114 at any time~~	~~Yes~~	~~No.~~
~~§63.7(b)(1)~~	~~Notification of Performance Test~~	~~Must notify Administrator 60 days before the test~~	~~Yes~~	~~No.~~
~~§63.7(b)(2)~~	~~Notification of Rescheduling~~	~~If rescheduling a performance test is necessary, must notify Administrator 5 days before scheduled date of rescheduled date~~	~~Yes~~	~~No.~~
~~§63.7(c)~~	~~Quality Assurance/Test Plan~~	~~Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with: test plan approval procedures; performance audit requirements; and internal and external quality assurance procedures for testing~~	~~Yes~~	~~No.~~
~~§63.7(d)~~	~~Testing Facilities~~	~~Requirements for testing facilities~~	~~Yes~~	~~No.~~
~~§63.7(e)(1)~~	~~Conditions for Conducting Performance Tests~~	~~Performance tests must be conducted under representative conditions; cannot conduct performance tests during SSM; not a violation to exceed standard during SSM~~	~~Yes~~	~~No.~~
~~§63.7(e)(2)~~	~~Conditions for Conducting Performance Tests~~	~~Must conduct according to rule and EPA test methods unless Administrator approves alternative~~	~~Yes~~	~~No.~~
~~§63.7(e)(3)~~	~~Test Run Duration~~	~~Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; and conditions when data from an additional test run can be used~~	~~Yes~~	~~No.~~
~~§63.7(f)~~	~~Alternative Test Method~~	~~Procedures by which Administrator can grant approval to use an alternative test method~~	~~Yes~~	~~No.~~
~~§63.7(g)~~	~~Performance Test Data Analysis~~	~~Must include raw data in performance test report; must submit performance test data 60 days after end of test with the Notification of Compliance Status report; and keep data for 5 years~~	~~Yes~~	~~No.~~
~~§63.7(h)~~	~~Waiver of Tests~~	~~Procedures for Administrator to waive performance test~~	~~Yes~~	~~No.~~

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.8(a)(1)~~	~~Applicability of Monitoring Requirements~~	~~Subject to all monitoring requirements in standard~~	~~Yes~~	~~Yes.~~
~~§63.8(a)(2)~~	~~Performance Specifications~~	~~Performance Specifications in appendix B of 40 CFR part 60 apply~~	~~Yes~~	~~No.~~
~~§63.8(a)(3)~~	~~[Reserved]~~			
~~§63.8(a)(4)~~	~~Monitoring with Flares~~		~~No~~	~~No.~~
~~§63.8(b)(1)~~	~~Monitoring~~	~~Must conduct monitoring according to standard unless Administrator approves alternative~~	~~Yes~~	~~Yes.~~
~~§63.8(b)(2)–(3)~~	~~Multiple Effluents and Multiple Monitoring Systems~~	~~Specific requirements for installing monitoring systems; must install on each effluent before it is combined and before it is released to the atmosphere unless Administrator approves otherwise; if more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup~~	~~Yes~~	~~Yes.~~
~~§63.8(c)(1)~~	~~Monitoring System Operation and Maintenance~~	~~Maintain monitoring system in a manner consistent with good air pollution control practices~~	~~Applies as modified by §63.5990(e) and (f)~~	~~No.~~
~~§63.8(c)(1)(i)~~	~~Routine and Predictable SSM~~		~~No~~	~~No.~~
~~§63.8(c)(1)(ii)~~	~~SSM not in SSMP~~		~~No~~	~~No.~~
~~§63.8(c)(1)(iii)~~	~~Compliance with Operation and Maintenance Requirements~~	~~How Administrator determines if source complying with operation and maintenance requirements; review of source operation and maintenance procedures, records, manufacturer's instructions, recommendations, and inspection of monitoring system~~	~~Yes~~	~~Yes.~~
~~§63.8(c)(2)–(3)~~	~~Monitoring System Installation~~	~~Must install to get representative emission and parameter measurements; must verify operational status before or at performance test~~	~~Yes~~	~~No.~~
~~§63.8(c)(4)~~	~~Continuous Monitoring System (CMS) Requirements~~		~~Applies as modified by §63.5990(f)~~	~~No.~~

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.8(c)(5)~~	~~Continuous Opacity Monitoring Systems (COMS) Minimum Procedures~~		~~No~~	~~No.~~
~~§63.8(c)(6)~~	~~CMS Requirements~~		~~Applies as modified by §63.5990(e)~~	~~No.~~
~~§63.8(c)(7)-(8)~~	~~CMS Requirements~~	~~Out-of-control periods, including reporting~~	~~Yes~~	~~No.~~
~~§63.8(d)~~	~~CMS Quality Control~~		~~Applies as modified by §63.5990(e) and (f)~~	~~No.~~
~~§63.8(e)~~	~~CMS Performance Evaluation~~		~~No~~	~~No.~~
~~§63.8(f)(1)-(5)~~	~~Alternative Monitoring Method~~	~~Procedures for Administrator to approve alternative monitoring~~	~~Yes~~	~~Yes.~~
~~§63.8(f)(6)~~	~~Alternative to Relative Accuracy Test~~		~~No~~	~~No.~~
~~§63.8(g)~~	~~Data Reduction~~		~~Applies as modified by §63.5990(f)~~	~~No.~~
~~§63.9(a)~~	~~Notification Requirements~~	~~Applicability and state delegation~~	~~Yes~~	~~Yes.~~
~~§63.9(b)(1)-(5)~~	~~Initial Notifications~~	~~Submit notification 120 days after effective date; notification of intent to construct/reconstruct, notification of commencement of construct/reconstruct, notification of startup; and contents of each~~	~~Yes~~	~~Yes.~~
~~§63.9(c)~~	~~Request for Compliance Extension~~	~~Can request if cannot comply by date or if installed best available control technology or lowest achievable emission rate~~	~~Yes~~	~~Yes.~~
~~§63.9(d)~~	~~Notification of Special Compliance Requirements for New Source~~	~~For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date~~	~~Yes~~	~~Yes.~~
~~§63.9(e)~~	~~Notification of Performance Test~~	~~Notify Administrator 60 days prior~~	~~Yes~~	~~No.~~
~~§63.9(f)~~	~~Notification of VE/Opacity Test~~	~~No~~	~~No~~	
~~§63.9(g)~~	~~Additional Notifications When Using CMS~~	~~No~~	~~No~~	

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.9(h)~~	~~Notification of Compliance Status~~	~~Contents; due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after; when to submit to Federal vs. State authority~~	~~Yes~~	~~Yes.~~
~~§63.9(i)~~	~~Adjustment of Submittal Deadlines~~	~~Procedures for Administrator to approve change in when notifications must be submitted~~	~~Yes~~	~~Yes.~~
~~§63.9(j)~~	~~Change in Previous Information~~	~~Must submit within 15 days after the change~~	~~Yes~~	~~Yes.~~
~~§63.10(a)~~	~~Recordkeeping/Reporting~~	~~Applies to all, unless compliance extension; when to submit to Federal vs. State authority; procedures for owners of more than 1 source~~	~~Yes~~	~~Yes.~~
~~§63.10(b)(1)~~	~~Recordkeeping/Reporting~~	~~General Requirements; keep all records readily available; and keep for 5 years.~~	~~Yes~~	~~Yes.~~
~~§63.10(b)(2)(i)-(iv)~~	~~Records related to Startup, Shutdown, and Malfunction.~~	~~Yes~~	~~No~~	
~~§63.10(b)(2)(vi) and (x)-(xi)~~	~~CMS Records~~	~~Malfunctions, inoperative, out-of-control; calibration checks; adjustments, maintenance~~	~~Yes~~	~~No.~~
~~§63.10(b)(2)(vii)-(ix)~~	~~Records~~	~~Measurements to demonstrate compliance with emission limitations; performance test, performance evaluation, and visible emission observation results; and measurements to determine conditions of performance tests and performance evaluations~~	~~Yes~~	~~Yes.~~
~~§63.10(b)(2)(xii)~~	~~Records~~	~~Records when under waiver~~	~~Yes~~	~~Yes.~~
~~§63.10(b)(2)(xiii)~~	~~Records~~		~~No~~	~~No.~~
~~§63.10(b)(2)(xiv)~~	~~Records~~	~~All documentation supporting Initial Notification and Notification of Compliance Status~~	~~Yes~~	~~Yes.~~
~~§63.10(b)(3)~~	~~Records~~	~~Applicability determinations~~	~~Yes~~	~~Yes.~~
~~§63.10(c)~~	~~Records~~		~~No~~	~~No.~~
~~§63.10(d)(1)~~	~~General Reporting Requirements~~	~~Requirement to report~~	~~Yes~~	~~Yes.~~

~~Citation~~	~~Subject~~	~~Brief description of applicable sections~~	~~Applicable to Subpart XXXX?~~	
			~~Using a control device~~	~~Not using a control device~~
~~§63.10(d)(2)~~	~~Report of Performance Test Results~~	~~When to submit to Federal or State authority~~	~~Yes~~	~~No.~~
~~§63.10(d)(3)~~	~~Reporting Opacity or VE Observations~~		~~No~~	~~No.~~
~~§63.10(d)(4)~~	~~Progress Reports~~	~~Must submit progress reports on schedule if under compliance extension~~	~~Yes~~	~~Yes.~~
~~§63.10(d)(5)~~	~~Startup, Shutdown, and Malfunction Reports~~		~~Yes~~	~~No.~~
~~§63.10(e)~~	~~Additional CMS Reports~~		~~No~~	~~No.~~
~~§63.10(f)~~	~~Waiver for Recordkeeping/Reporting~~	~~Procedures for Administrator to waive~~	~~Yes~~	~~Yes.~~
~~§63.11~~	~~Flares~~		~~No~~	~~No.~~
~~§63.12~~	~~Delegation~~	~~State authority to enforce standards~~	~~Yes~~	~~Yes.~~
~~§63.13~~	~~Addresses~~	~~Addresses where reports, notifications, and requests are sent~~	~~Yes~~	~~Yes.~~
~~§63.14~~	~~Incorporation by Reference~~	~~Test methods incorporated by reference~~	~~Yes~~	~~Yes.~~
~~§63.15~~	~~Availability of Information~~	~~Public and confidential information~~	~~Yes~~	~~Yes.~~

SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(h) One (1) tread end cementing process consisting of lines #1 and #2, with a production capacity of 2,081 tires per hour, using particulate baffle filters, exhausting at stacks 158 and 159. Line #1 was modified in 1996; Line #2 was modified in 1990. This unit is an affected unit under 40 CFR 63, Subpart XXXX and 40 CFR 60, Subpart BBB.

Insignificant Activities:

(b) One (1) green tire spray operation, with a maximum capacity of 47,290 pounds per hour, using particulate baffle filters, exhausting at stacks 262, 263, 264, and 280. This unit is an affected unit under 40 CFR 63, Subpart XXXX and 40 CFR 60, Subpart BBB.

(c) One (1) protectant spray operation, with a maximum throughput capacity of 41,497 pounds of tires per hour, exhausting to stacks 259 and 265. This unit is an affected unit under 40 CFR 60, Subpart BBB and 40 CFR 63, Subpart XXXX.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements

E.2.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the units described in this section, except when otherwise specified in 40 CFR Part 60, Subpart BBB.

E.2.2 NSPS for Rubber Tire Manufacturing Requirements [40 CFR Part 60.500, Subpart BBB]

Pursuant to **40** CFR Part 60, Subpart BBB, the Permittee shall comply with the provisions of 40 CFR Part 60.540, **as follows** ~~for the tread end cementing and green tire spray operations as specified below~~. **The entire text of 40 CFR Part 60, Subpart BBB is included as Attachment B to this permit.**

1) 40 CFR 60.540 (a), (c)
2) 40 CFR 60.541
3) 40 CFR 60.542 (a)(3), (a)(5)
4) 40 CFR 60.543 (a), (b), (c), (l), (m)
5) 40 CFR 60.545 (d)
6) 40 CFR 60.546 (c)
7) 40 CFR 60.547
8) 40 CFR 60.548

~~**Subpart BBB—Standards of Performance for the Rubber Tire Manufacturing Industry**~~

~~**Source: 52 FR 34874, Sept. 15, 1987, unless otherwise noted.**~~

~~**§ 60.540 Applicability and designation of affected facilities.**~~

~~(a) The provisions of this subpart, except as provided in paragraph (b) of this section, apply to each of the following affected facilities in rubber tire manufacturing plants that commence construction, modification, or reconstruction after January 20, 1983: each undertread cementing operation, each sidewall cementing operation, each tread end cementing operation, each bead cementing operation, each green tire spraying operation, each Michelin-A operation, each Michelin-B operation, and each Michelin-C automatic operation.~~

~~(c) Although the affected facilities listed under §60.540(a) are defined in reference to the production of components of a "tire," as defined under §60.541(a), the percent emission reduction requirements and VOC use cutoffs specified under §60.542(a)(1), (2), (6), (7)(iii), (7)(iv), (8), (9), and (10) refer to the total amount of VOC used (the amount allocated to the affected facility), including the VOC used in cements and organic solvent-based green tire spray materials for tire types not listed in the §60.541(a) definition of "tire."~~

~~[52 FR 34874, Sept. 15, 1987, as amended at 54 FR 38635, Sept. 19, 1989]~~

~~**§ 60.541 Definitions.**~~

~~(a) All terms that are used in this subpart and are not defined below are given the same meaning as in the Act and in subpart A of this part.~~

~~*Bead* means rubber-covered strands of wire, wound into a circular form, which ensure a seal between a tire and the rim of the wheel onto which the tire is mounted.~~

~~*Bead cementing operation* means the system that is used to apply cement to the bead rubber before or after it is wound into its final circular form. A bead cementing operation consists of a cement application station, such as a dip tank, spray booth and nozzles, cement trough and roller or swab applicator, and all other equipment necessary to apply cement to wound beads or bead rubber and to allow evaporation of solvent from cemented beads.~~

~~*Component* means a piece of tread, combined tread/sidewall, or separate sidewall rubber, or other rubber strip that is combined into the sidewall of a finished tire.~~

~~*Drying area* means the area where VOC from applied cement or green tire sprays is allowed to evaporate.~~

~~*Enclosure* means a structure that surrounds a VOC (cement, solvent, or spray) application area and drying area, and that captures and contains evaporated VOC and vents it to a control device. Enclosures may have permanent and temporary openings.~~

~~*Green tire* means an assembled, uncured tire.~~

~~*Green tire spraying operation* means the system used to apply a mold release agent and lubricant to the inside and/or outside of green tires to facilitate the curing process and to prevent rubber from sticking to the curing press. A green tire spraying operation consists of a booth where spraying is performed, the spray application station, and related equipment, such as the lubricant supply system.~~

~~*Michelin-A operation* means the operation identified as Michelin-A in the Emission Standards and Engineering Division confidential file as referenced in Docket A-80-9, Entry II-B-12.~~

~~*Michelin-B operation* means the operation identified as Michelin-B in the Emission Standards and Engineering Division confidential file as referenced in Docket A-80-9, Entry II-B-12.~~

~~*Michelin-C-automatic operation* means the operation identifed as Michelin-C-automatic in the Emission Standards and Engineering Division confidential file as referenced in Docket A-80-9, Entry II-B-12.~~

~~*Month* means a calendar month or a prespecified period of 28 days or 35 days (utilizing a 4-4-5-week recordkeeping and reporting schedule).~~

~~*Organic solvent-based green tire spray* means any mold release agent and lubricant applied to the inside or outside of green tires that contains more than 12 percent, by weight, of VOC as sprayed.~~

~~*Permanent opening* means an opening designed into an enclosure to allow tire components to pass through the enclosure by conveyor or other mechanical means, to provide access for permanent mechanical or electrical equipment, or to direct air flow into the enclosure. A permanent opening is not equipped with a door or other means of obstruction of air flow.~~

~~*Sidewall cementing operation* means the system used to apply cement to a continuous strip of sidewall component or any other continuous strip component (except combined tread/sidewall component) that is incorporated into the sidewall of a finished tire. A sidewall cementing operation consists of a cement application station and all other equipment, such as the cement supply system and feed and takeaway conveyors, necessary to apply cement to sidewall strips or other continuous strip component (except combined tread/sidewall component) and to allow evaporation of solvent from the cemented rubber.~~

~~*Temporary opening* means an opening into an enclosure that is equipped with a means of obstruction, such as a door, window, or port, that is normally closed.~~

~~*Tire* means any agricultural, airplane, industrial, mobile home, light-duty truck and/or passenger vehicle tire that has a bead diameter less than or equal to 0.5 meter (m) (19.7 inches) and a cross section dimension less than or equal to 0.325 m (12.8 in.), and that is mass produced in an assembly-line fashion.~~

~~*Tread end cementing operation* means the system used to apply cement to one or both ends of the tread or combined tread/sidewall component. A tread end cementing operation consists of a cement application station and all other equipment, such as the cement supply system and feed and takeaway conveyors, necessary to apply cement to tread ends and to allow evaporation of solvent from the cemented tread ends.~~

~~*Undertread cementing operation* means the system used to apply cement to a continuous strip of tread or combined tread/sidewall component. An undertread cementing operation consists of a cement application station and all other equipment, such as the cement supply system and feed and takeaway conveyors, necessary to apply cement to tread or combined tread/sidewall strips and to allow evaporation of solvent from the cemented tread or combined tread/sidewall.~~

~~*VOC emission control device* means equipment that destroys or recovers VOC.~~

~~*VOC emission reduction system* means a system composed of an enclosure, hood, or other device for containment and capture of VOC emissions and a VOC emission control device.~~

~~*Water-based green tire spray* means any mold release agent and lubricant applied to the inside or outside of green tires that contains 12 percent or less, by weight, of VOC as sprayed.~~

~~(b) Notations used under this subpart are defined below:~~

~~B_e=total number of beads cemented at a particular bead cementing affected facility for a month~~

~~C_a=concentration of VOC in gas stream in vents after a control device (parts per million by volume)~~

~~C_b=concentration of VOC in gas stream in vents before a control device (parts per million by volume)~~

~~C_f=concentration of VOC in each gas stream vented directly to the atmosphere from an affected facility or from a temporary enclosure around an affected facility (parts per million by volume)~~

~~D_c=density of cement or spray material (grams per liter (lb per gallon))~~

~~D_r=density of VOC recovered by an emission control device (grams per liter (lb per gallon))~~

~~E=emission control device efficiency, inlet versus outlet (fraction)~~

~~F_c=capture efficiency, VOC captured and routed to one control device versus total VOC used for an affected facility (fraction)~~

~~F_e=fraction of total mass of VOC used in a month by all facilities served by a common cement or spray material distribution system that is used by a particular affected facility served by the common distribution system~~

~~G=monthly average mass of VOC used per tire cemented or sprayed with a water-based green tire spray for a particular affected facility (grams (lb) per tire)~~

~~G_b=monthly average mass of VOC used per bead cemented for a particular bead cementing affected facility (grams (lb) per bead)~~

~~L_c=volume of cement or spray material used for a month (liters (gallons))~~

~~L_r=volume of VOC recovered by an emission control device for a month (liters (gallons))~~

~~M=total mass of VOC used for a month by all facilities served by a common cement or spray material distribution system (grams (lb))~~

~~M_e=total mass of VOC used at an affected facility for a month (grams (lb))~~

~~M_r=mass of VOC recovered by an emission control device for a month (grams (lb))~~

~~N=mass of VOC emitted to the atmosphere per tire cemented or sprayed with a water-based green tire spray for an affected facility for a month (grams (lb) per tire)~~

~~N_b=mass of VOC emitted per bead cemented for an affected facility for a month (grams (lb) per bead)~~

~~Q_a=volumetric flow rate in vents after a control device (dry standard cubic meters (dry standard cubic feet) per hour)~~

~~Q_b=volumetric flow rate in vents before a control device (dry standard cubic meters (dry standard cubic feet) per hour)~~

~~Q_f=volumetric flow rate of each stream vented directly to the atmosphere from an affected facility or from a temporary enclosure around an affected facility (dry standard cubic meters (dry standard cubic feet) per hour)~~

~~R=overall efficiency of an emission reduction system (fraction)~~

~~T_d=total number of days in monthly compliance period (days)~~

~~T_e=total number of tires cemented or sprayed with water-based green tire sprays at a particular affected facility for a month~~

~~W_e=weight fraction of VOC in a cement or spray material.~~

~~[52 FR 34874, Sept. 15, 1987, as amended at 65 FR 61764, Oct. 17, 2000]~~

~~§ 60.542 Standards for volatile organic compounds.~~

~~(a) On and after the date on which the initial performance test, required by §60.8, is completed, but no later than 180 days after initial startup, each owner or operator subject to the provisions of this subpart shall comply with the following conditions:~~

~~(3) For each tread end cementing operation: Discharge into the atmosphere no more than 10 grams (0.022 lb) of VOC per tire cemented for each month.~~

~~(5) For each green tire spraying operation where only water-based sprays are used:~~

~~(i) Discharge into the atmosphere no more than 1.2 grams (0.0026 lb) of VOC per tire sprayed with an inside green tire spray for each month; and~~

~~(ii) Discharge into the atmosphere no more than 9.3 grams (0.021 lb) of VOC per tire sprayed with an outside green tire spray for each month.~~

~~[52 FR 34874, Sept. 15, 1987, as amended at 65 FR 61764, Oct. 17, 2000]~~

~~§ 60.543 Performance test and compliance provisions.~~

~~(a) Section 60.8(d) does not apply to the monthly performance test procedures required by this subpart. Section 60.8(d) does apply to initial performance tests and to the performance tests specified under paragraphs (b)(2) and (b)(3) of this section. Section 60.8(f) does not apply when Method 24 is used.~~

~~(b) Performance tests shall be conducted as follows:~~

~~(1) The owner or operator of an affected facility shall conduct an initial performance test, as required under §60.8(a), except as described under paragraph (j) of this section. The owner or operator of an affected facility shall thereafter conduct a performance test each month, except as described under paragraphs (b)(4), (g)(1), and (j) of this section. Initial and monthly performance tests shall be conducted according to the procedures in this section.~~

~~(c) For each undertread cementing operation, each sidewall cementing operation, each green tire spraying operation where organic solvent-based sprays are used, each Michelin-A operation, each Michelin-B operation, and each Michelin-C-automatic operation where the owner or operator seeks to comply with the uncontrolled monthly VOC use limits, the owner or operator shall use the following procedure to determine compliance with the applicable (depending upon duration of compliance period) uncontrolled monthly VOC use limit specified under §60.542(a) (1)(ii), (2)(ii), (6)(ii), (7)(iv), (8)(ii), (9)(ii), and (10)(ii). If both undertread cementing and sidewall cementing are performed at the same affected facility during a month, then the kg/mo limit specified under §60.542(a)(1)(ii) shall apply for that month.~~

~~(1) Determine the density and weight fraction VOC (including dilution VOC) of each cement or green tire spray from its formulation or by analysis of the cement or green tire spray using Method 24. If a dispute arises, the Administrator may require an owner or operator who used formulation data to analyze the cement or green tire spray using Method 24.~~

~~(2) Calculate the total mass of VOC used at the affected facility for the month (M_o) by the following procedure:~~

~~(i) For each affected facility for which cement or green tire spray is delivered in batch or via a distribution system that serves only the affected facility:~~

$$M_o = \sum_{i=1}^{a} L_{c_i} D_{c_i} W_{o_i}$$

~~Where:~~

~~"a" equals the number of different cements or green tire sprays used during the month that are delivered in batch or via a distribution system that serves only a single affected facility.~~

~~(ii) For each affected facility for which cement or green tire spray is delivered via a common distribution system that also serves other affected or existing facilities:~~

~~(A) Calculate the total mass of VOC used for all of the facilities served by the common distribution system~~

~~for the month (M):~~

$$\cancel{M = \sum_{i=1}^{b} L_{c_i} D_{c_i} W_{o_i}}$$

~~Where:~~

~~"b" equals the number of different cements or green tire sprays used during the month that are delivered via a common distribution system that also serves other affected or existing facilities.~~

~~(B) Determine the fraction (F_e) of M used at the affected facility by comparing the production records and process specifications for the material cemented or sprayed at the affected facility for the month to the production records and process specifications for the material cemented or sprayed at all other facilities served by the common distribution system for the month or by another procedure acceptable to the Administrator.~~

~~(C) Calculate the total monthly mass of VOC used at the affected facility for the month (M_e):~~

~~$M_e = MF_e$~~

~~(3) Determine the time duration of the monthly compliance period (T_d).~~

~~(l) In determining compliance for each undertread cementing operation, each sidewall cementing operation, each green tire spraying operation, each Michelin-A operation, each Michelin-B operation, and each Michelin-C-automatic operation, the owner or operator shall include all the VOC used, recovered, or destroyed from cements and organic solvent-based green tire sprays including those cements or sprays used for tires other than those defined under §60.541(a).~~

~~(m) In determining compliance for each tread end cementing operation, each bead cementing operation, and each green tire spraying operation, the owner or operator shall include only those tires defined under §60.541(a) when determining T_e and B_e.~~

~~[52 FR 34874, Sept. 15, 1987; 52 FR 37874, Oct. 9, 1987, as amended at 54 FR 38635, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]~~

~~§ 60.545 Recordkeeping requirements.~~

~~(d) Each owner or operator of an undertread cementing operation, sidewall cementing operation, green tires spraying operation where organic solvent-based sprays are used, Michelin-A operation, Michelin-B operation, or Michelin-C-automatic operation who seeks to comply with a specified VOC monthly usage limit shall maintain records of monthly VOC use and the number of days in each compliance period.~~

~~[52 FR 34874, Sept. 15, 1987, as amended at 54 FR 38637, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]~~

~~§ 60.546 Reporting requirements.~~

~~(c) Each owner or operator subject to the provisions of this subpart shall report the results of all initial performance tests, as required under §60.8(a), and the results of the performance tests required under §60.543 (b)(2) and (b)(3). The following data shall be included in the report for each of the above performance tests:~~

~~(1) For each affected facility for which the owner or operator seeks to comply with a VOC monthly usage limit specified under §60.542(a): The monthly mass of VOC used (M_e) and the number of days in the compliance period (T_d).~~

~~(2) For each affected facility that seeks to comply with a VOC emission limit per tire or per bead specified under §60.542(a) without the use of a VOC emission reduction system: the mass of VOC used (M_e), the number of tires cemented or sprayed (T_e), the mass of VOC emitted per tire cemented or sprayed (N), the number of beads cemeted (B_e), and the mass of VOC emitted per bead cemented (N_b).~~

~~[52 FR 34874, Sept. 15, 1987; 52 FR 37874, Oct. 9, 1987, as amended at 54 FR 38637, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]~~

~~§ 60.547 Test methods and procedures.~~

~~(a) The test methods in appendix A to this part, except as provided under §60.8(b), shall be used to determine compliance with §60.542(a) as follows:~~

~~(1) Method 24 or formulation data for the determination of the VOC content of cements or green tire spray materials. In the event of dispute, Method 24 shall be the reference method. For Method 24, the cement or green tire spray sample shall be a 1-liter sample collected in a 1-liter container at a point where the sample will be representative of the material as applied in the affected facility.~~

~~[52 FR 34874, Sept. 15, 1987, as amended at 54 FR 38638, Sept. 19, 1989; 65 FR 61765, Oct. 17, 2000]~~

~~**§ 60.548 Delegation of authority.**~~

~~(a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.~~

~~(b) Authority which will not be delegated to States: §60.543(c)(2)(ii)(B).~~

...

Conclusion and Recommendation

This proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 003-29089-00008. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Stephanie Wilkerson at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5329 or toll free at 1-800-451-6027 extension 4-5329.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the
Technical Support Document for a Significant Permit Modification

Source Name:	BF Goodrich Tire Manufacturing
Source Location:	18906 Highway 24 East, Woodburn, Indiana 46797-0277
County:	Allen
SIC Code:	3011
Operation Permit No.:	T003-20341-00008
Operation Permit Issuance Date:	September 3, 2008
Significant Permit Modification No.:	003-29089-00008
Permit Reviewer:	Stephanie Wilkerson

On September 28, 2010, the Office of Air Quality (OAQ) had a notice published in the Journal Gazette News Sentinel in Fort Wayne, Indiana, stating that BF Goodrich Tire Manufacturing had applied for a Significant Permit Modification for a stationary rubber tire manufacturing facility. The notice also stated that OAQ proposed to issue a Significant Permit Modification for this operation and provided information on how the public could review the proposed significant modification and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this significant modification should be issued as proposed.

Citizen Comments

Comments from Ms. Diane Schaper were received regarding the issuance of this Significant Permit Modification. The comments and corresponding response is as follows:

Comment: BF Goodrich has put enough pollutants in the air. Of course, they always say they aren't, but we the people who live around the plant have to live with it on a daily basis. We don't want any more pollutants put in the air!

Response: No new emission units or increases in potential pollutants are included in this permit. This Significant Permit Modification applies limits to BF Goodrich Tire Manufacturing to keep the emissions of certain criteria pollutants from the source to less than 250 tons per year. These limits were not previously required for the facility, and were voluntarily requested by the Permittee. No changes are made to the permit as a result of this comment.

Source Comments

Comments from Mr. Matt Stuart, representing BF Goodrich Tire Manufacturing, were received regarding the issuance of this Significant Permit Modification. The summary of the comments and corresponding responses is as follows (**bold** language has been added and ~~struck~~ language has been deleted):

Comment 1: The testing requirement in Condition D.2.5 requires that performance stack testing be performed every two and one-half (2.5) years on the boiler identified as Boiler #5 when burning #6 fuel oil to determine compliance with opacity requirements. The BF Goodrich Tire Manufacturing facility has not burned No. 6 fuel oil since October of 2008, and does not wish to switch over to No. 6 fuel oil simply to perform an unnecessary stack test.

Following a conversation with Mr. Dave Cline of the Compliance and Enforcement Branch, BF Goodrich requests that the language in the permit be changed to require performance testing only after switching to No. 6 fuel oil if it has been longer than five (5) years since the last instance of burning that fuel.

Response 1: The permit is changed as follows:

D.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee shall conduct stack testing for opacity when burning No.6 fuel oil in Boiler #5. Compliance shall be determined by a performance stack test. The Permittee shall perform opacity testing utilizing Method 9 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner**,** at least once every ~~two and one-half (2 1/2)~~ **five (5)** years ~~from February 8, 2006~~. **The Permittee shall not be required to perform opacity testing should No. 6 fuel oil not be used in Boiler #5 during the five (5) year period. Opacity testing shall be performed no later than three (3) months from the date of switching to No. 6 fuel oil.** Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

Comment 2: The Record Keeping conditions in Sections D.1 and D.2 reference the wrong permit requirements.

Response 2: The permit is updated as follows:

D.1.9 Record Keeping Requirements

(a) To document the compliance status with Condition ~~D.1.4~~ **D.1.6**(a), (b), and (c), the Permittee shall maintain records of daily visible emission notations of the stack exhaust from 197, 200, 208, 210, 258 to 261, 265 to 277, and 356A to 356D. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

(b) To document the compliance status with Condition ~~D.1.5~~ **D.1.7**, the Permittee shall maintain the daily automatic or manual readings of the Banbury mixing, BB dump and pellet feed for Banbury mixing baghouses differential pressure. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

...

D.2.10 Record Keeping Requirements

...

(c) To document the compliance status with Condition ~~D.2.6~~ **D.2.9**, the Permittee shall maintain records of visible emission notations of the boiler #1-#3, and boiler #5 stack exhaust while combusting fuel oil. The Permittee shall include in its daily record when a visible emission reading is not taken and the reason for the lack of these readings (e.g. the process did not operate that day).

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Matt Stuart
BG Goodrich Tire Manufacturing
PO Box 227
Woodburn, IN 46797

DATE: November 23, 2010

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Significant Permit Modification
003-29089-00008

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Paul Cagle – Plant Manager
Ginger Ellis – Regulatory Strategies
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

November 23, 2010

TO: Allen County Public Library

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: BF Goodrich Tire Manufacturing
Permit Number: 003-29089-00008

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 11/23/2010 BF Goodrich Tire Manufacturing 003-29089-00008 Final			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Matt Stuart BF Goodrich Tire Manufacturing PO Box 277 Woodburn IN 46797-0277 (Source CAATS) via confirmed delivery									
2		Paul Cagle Plant Mgr BF Goodrich Tire Manufacturing PO Box 277 Woodburn IN 46797-0277 *(RO CAATS)*									
3		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 *(Affected Party)*									
4		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 *(Affected Party)*									
5		Mr. Victor Locke WPTA-TV P.O.Box 2121 Fort Wayne IN 46801 *(Affected Party)*									
6		Fort Wayne City Council and Mayors Office One Main Street Fort Wayne IN 46802 *(Local Official)*									
7		Mr. John E. Hampton Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 *(Affected Party)*									
8		Ginger Ellis Regulatory Strategies 1020 Ladys Lane Anderson SC 29621 *(Consultant)*									
9		Allen Co. Board of Commissioners One Main St. Fort Wayne IN 46802 *(Local Official)*									
10		Woodburn Town Council and Mayors Office 4417 Bull Rapids Rd. Woodburn IN 46797 *(Local Official)*									
11		Fort Wayne-Allen County Health Department 1 E Main Street, 5th Floor Fort Wayne IN 46802-1810 *(Health Department)*									
12		Allen County Public Library 4701 State Road 101 North Woodburn IN 46797 *(Library)*									
13		Ms. Diane Schaper 5630 N. Sampson Rd Woodburn IN 46797 (Affected Party)									
14		Ms. Ann Corral 4327 Locust Spring Place Fort Wayne IN 46804 *(Affected Party)*									
15		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 *(Affected Party)*									

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